

DAVIS & LUDLOW
READING PUBLIC LIBRARY
READING, MASSACHUSETTS

REFERENCE

TOWN OF
READING
MASSACHUSETTS

THE ANNUAL
REPORT

For the Financial Year
Ending December 31st

1 9 2 2



TOWN OF READING

ANNUAL REPORT

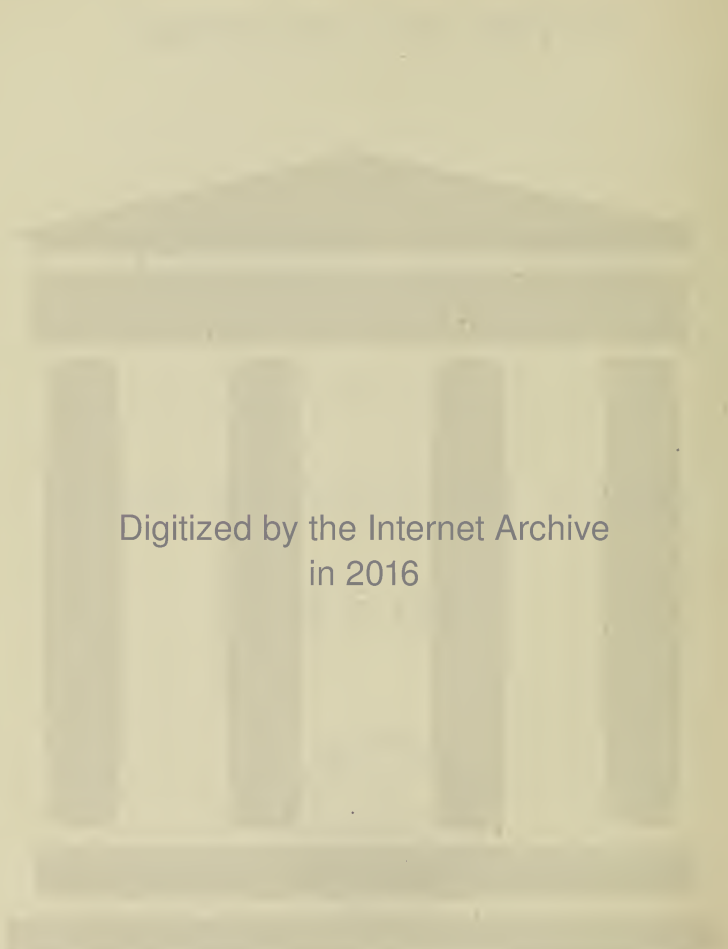
—FOR THE—

FINANCIAL YEAR ENDED DECEMBER 31

1922



THE CHRONICLE PRESS
READING, MASS.



Digitized by the Internet Archive
in 2016

TOWN OFFICERS, 1922-1923

Elected and Appointed

Selectmen

FREDERICK L. SPRINGFORD, Chairman	Term expires	1923
H. RAYMOND JOHNSON, Secretary	" "	1924
JOSEPH D. KNIGHT	" "	1925
LEON G. BENT, Clerk		

Overseers of the Poor

FREDERICK L. SPRINGFORD, Chairman	Term expires	1923
H. RAYMOND JOHNSON, Secretary	" "	1924
JOSEPH D. KNIGHT	" "	1925
LEON G. BENT, Clerk		
HELEN A. BROWN, Visitor		

Assessors

ALVAH W. CLARK, Chairman	Term expires	1924
EDWARD B. EAMES	" "	1923
J. FRED RICHARDSON, Secretary	" "	1925

Town Clerk

MILLARD F. CHARLES

Treasurer

HENRY H. KINSLEY

Collector of Taxes

GRACE V. VIALI

Town Counsel

JESSE W. MORTON

Moderator

JESSE W. MORTON

Town Accountant

LEON G. BENT

Board of Public Works

GEORGE H. CLOUGH, Chairman	Term expires	1925
CLARENCE C. WHITE, Secretary	" "	1924
FREDERICK W. ALLEN	" "	1923
CHARLES VAN STONE	" "	1924
JOHN W. OWEN	" "	1925
HARRY B. COLLINS, Supt.		
EDWARD W. CROWE, Supt. Highway Dept.		

Board of Health

EDWARD M. HALLIGAN, M. D., Chairman	Term expires	1925
CHRISTINE F. ATKINSON, Secretary	" "	1924
CALVERT H. PLAYDON, M. D. V.	" "	1923

Finance Committee

ALBERT R. SHEPARDSON, Chairman	Term expires	Mar. 31, 1924
JOSEPH W. BOOTH	" "	" " 1923
JAMES P. CARLETON	" "	" " 1923
WILLIAM A. HALEY	" "	" " 1923
FREDERICK D. SPERRY	" "	" " 1923
SPENCER G. STEWART	" "	" " 1923
JAMES W. FAIRCHILD	" "	" " 1924
JOHN H. FARNUM	" "	" " 1924
ELIAS B. CURRELL	" "	" " 1924
WINTHROP D. PARKER	" "	" " 1924
STEPHEN D. ADAMS	" "	" " 1925
JOHN CONNELLY	" "	" " 1925
WILLIAM A. DENNISON	" "	" " 1925
JOHN L. DEVANEY	" "	" " 1925
MARTIN B. HARTSHORN	" "	" " 1925
LEON G. BENT, Secretary (ex-officio)		

School Committee

WALTER S. PARKER, Chairman	Term expires	1923
LEONE F. QUIMBY	" "	1923
ELIZABETH H. BROWN	" "	1924
HENRY Q. MILLETT	" "	1924
IDA A. YOUNG	" "	1925
JESSE W. MORTON	" "	1925
ADELBERT L. SAFFORD, Supt. of Schools, Secretary		

School Attendance Officer

* EDWIN L. HUTCHINSON

* Resigned

Municipal Light Board

WILLIAM G. LONG, Chairman	Term expires	1923
HERBERT G. EVANS, Secretary	" "	1924
HARRY P. BAKER	" "	1925
ARTHUR G. SIAS, Manager, Municipal Light Dept.		

Trustees of Laurel Hill Cemetery

GALEN A. PARKER, Chairman	Term expires	1923
PHILIP H. TIRRELL, Secretary	" "	1924
WILLIAM S. KINSLEY	" "	1923
ALFRED W. DANFORTH	" "	1924
FRANK L. EDGERLEY	" "	1925
WILLIE E. TWOMBLY	" "	1925
ALFRED E. GOODWIN, Supt. of Cemetery		

Board of Registrars

OWEN McKENNEY, Chairman	Term expires	1924
ARTHUR C. COPELAND	" "	1923
WALTER S. PRENTISS	" "	1925
MILLARD F. CHARLES, Clerk		

Playground Commission

ARTHUR S. COOK, Chairman

MABEL H. BROWN	LOUISE E. BURRAGE
HAROLD F. PARKER	HARRY E. SMITH

Planning Board

CHESTER J. WALLACE, Chairman	Term expires	1923
AMOS M. McLEAN, Secretary	" "	1925
JOHN L. DODGE	" "	1925
LEONE F. QUIMBY	" "	1924
HENRY Q. MILLETT	" "	1923

Trustees of Public Library

HORACE G. WADLIN, Chairman	Term expires	1925
ARTHUR N. MANSFIELD, Secretary	" "	1924
FRANK C. CARTER	" "	1923
FANNIE C. WHITTEMORE	" "	1923
EDITH BANCROFT	" "	1924
RALPH S. KENELEELEY	" "	1925
BERTHA L. BROWN, Librarian		
GRACE J. ABBOTT, Assistant Librarian		

Police Department

JEREMIAH CULLINANE, Chief

TIMOTHY J. CULLINANE

PATRICK J. LONG

OSCAR H. LOW

WILLIAM F. O'BRIEN

FRANCIS F. SLACK

DANIEL T. SCANLON

Fire Department

ORVILLE O. ORDWAY, Chief

HUGH L. EAMES, Capt.

JOHN J. O'BRIEN, Lieut.

FRANK L. McKENNEY

WILLIAM H. VANHORN

Superintendent of Fire Alarm

LEONARD T. EAMES

Forest Warden

ORVILLE O. ORDWAY

Deputy Forest Warden

HENRY M. DONEGAN

Constables

ALBERT C. GRAUPNER, JR.

EDWARD G. QUINLAN

Inspector of Milk

CARL M. SMITH

Inspector of Plumbing

DAVID TAGGART

Inspector of Animals

CALVERT H. PLAYDON, M. D. V.

Inspector of Wires

ARTHUR G. SIAS

Inspector of Buildings

GEORGE H. SIDEBOTTOM

Sealer of Weights and Measures

CARL M. SMITH

License Agent for Sale of Second Hand Automobiles

* EDWIN L. HUTCHINSON

Superintendent of Moth Department and Tree Warden

HENRY M. DONEGAN

Burial Agent for Deceased Soldiers and Sailors

(Under Chapter 115, Section 19, General Laws)

CHARLES STOREY

Custodian of Soldiers' and Sailors' Graves

(Under Chapter 115, Section 22, General Laws)

ALFRED E. GOODWIN

Board of Appeal

MAHLON E. BRANDE

GILMAN L. PARKER

FRED L. NUTTER

Measurers of Wood and Bark

THOMAS E. BROGAN

PERCY N. SWEETSER

BURTON K. SYMONDS

WARREN M. WHITEHOUSE

Surveyors of Lumber

GEORGE L. FLINT

BURTON K. SYMONDS

WARREN M. WHITEHOUSE

WILLIAM R. ZWICKER

Weighers of Coal and Hay

W. IRVING BANCROFT

THOMAS E. BROGAN

BERTHA D. MacLELLAN

MABEL L. McKAY

WENDELL B. NEWELL

PERCY N. SWEETSER

WILLIAM H. WHITE

Field Drivers

WILLARD A. BANCROFT

* WILLIAM F. WELCH

ROLLAND L. PERRY

* Resigned

Fence Viewers

J. W. AUSTIN

ALBERT E. TEMPLE

*** THOMAS E. WALL**

Workingmen's Compensation Agent

(Chapter 152, Section 175, General Laws)

HENRY H. KINSLEY

Director of Agriculture and Home Economics

(Chapter 128, Section 41, General Laws)

ROLLAND L. PERRY

*** Resigned**

TOWN OF READING

Population 1920 Census, 7,424

Registered Voters 1922: Men 1,808, Women, 1525.

Fifth Congressional District.

Sixth Councillor District

Seventh Middlesex Senatorial District.

Eighteenth Middlesex Representative District.

Congressman 5th District, John Jacob Rogers, Lowell.

Councillor 6th District, Charles S. Smith, Lincoln.

Senator 7th Middlesex District, Charles P. Howard, Reading.

Representatives 18th Middlesex District, Gustave W. Everberg, Woburn, Lemuel W. Standish, Stoneham.

Jury List of the Town of Reading—1922

Prepared by Board of Selectmen

Abbott, H. Kingman, Civil Engineer	20 Pleasant St.
Allen, Gordon H., Clerk	253 Summer Ave.
Bagness, Alfred F., Salesman	316 Haverhill St.
Bancroft, Lewis M., Treasurer	23 Bancroft Ave.
Bond, Joseph J., Retired	128 High St.
Bowie, Edward D., Clerk	27 Ash St.
Boyd, John A., Retired	34 Prospect St.
Brande, Mahlon E., Real Estate	103 Woburn St.
Bronson, Frederick E., Manager	26 Grand St.
Brooks, George C., Salesman	9 Harnden St.
Brown, Edward A., Clerk	10 Oak St.
Brown, George H., Salesman	144 High St.
Burns, Robert, Mason	393 Franklin St.
Bussell, John H., Retired	57 Prospect St.
Carter, Joseph W., Salesman	36 Berkeley St.
Clapp, Ernest A., Carpenter	8 Pratt St.
Colby, Earl N., Brakeman	32 Berkeley St.
Cook, Guy B., Clerk	7 Echo Ave.
Copeland, Arthur C., Clerk	185 Main St.

Corrigan, John F., Rubber Worker	3 Washington St.
Crosby, Joseph H., Clerk	77 Haven St.
Dennison, Robert A., Student	Copeland Ave.
Dodge, John L., Contractor	49 Prescott St.
Doran, Daniel F., Boilermaker	95 Haven St.
Doughty, Charles F., Accountant	52 Linden St.
Ellenwood, Louis, Contractor	10 Gould St.
Fairclough, William F., Civil Engineer	Grove St.
Flint, Clarence E., Shipper	9 Eaton St.
Flint, George L., Carpenter	19 Village St.
Gibbs, George H., Blacksmith	14 Hartshorn St.
Gilman, Edgar M., Brakeman	56 Vine St.
Glover, Alexander P., Salesman	Perkins Ave.
Gould, Chester F., Organ Pipe Worker	Beacon St.
Hagar, Leland S., Clerk	22 Ash St.
Hill, Herbert L., Salesman	36 Orange St.
Hobbs, Samuel, Civil Engineer	7 Fairview Ave.
Jones, Elmer D., Clerk	20 Charles St.
Keene, Evans E., Carpenter	42 Vine St.
Keneely, Ralph S., Clerk	86 Salem St.
Killam, James W., Civil Engineer	16 Arlington St.
Lamont, Alexander E., Superintendent	27 Deering St.
Lehan, Bartholomew J., Real Estate	17 Temple St.
Linder, John H., Machinist	163 High St.
Loring, John A., Clerk	129 Summer Ave.
Lumsden, Blinn W., Clerk	116 Summer Ave.
MacAllister, William J., Plumber	139 West St.
Malonson, Alfred F., Operator	37 High St.
Martin, Frank H., Clerk	20 Mt. Vernon St.
McNeil, Hugh J., Chauffeur	6 Ash St.
Merritt, Fred E., Engineer	50 Deering St.
Michelini, Arthur C., Clerk	61 Washington St.
Mitchell, Fred O., Operator	51 Federal St.
Moody, Wellman J., Farmer	220 West St.
Moore, Henry E., Salesman	7 Dudley St.
Morse, Donald H., Clerk	14 Mt. Vernon St.
Nodding, Leonard J., Salesman	42 Berkeley St.
Nowell, George F., Treasurer	12 Arlington St.
O'Brien, William E., Engineer	59 Salem St.
Ordway, Earl B., Salesman	3 Grand St.
Perry, John F., Clerk	9 Chute St.
Pooch, Henry R., Shipper	56 Federal St.
Remick, Nelson A., Merchant	1 Mt. Vernon St.
Roberts, Herbert H., Salesman	134 Woburn St.
Roberts, John Alexander, Machinist	Forest St.
Rodgers, Clarence C., Carpenter	10 Auburn St.

Russell, Harold G., Chauffeur	201 Grove St.
Sanborn, Harold O., Asst. Manager	27 Hancock St.
Sanders, Wilbur S., Clerk	55 Grand St.
Smith, Harry E., Electrician	147 High St.
Storey, Charles, Shipper	23 Arlington St.
Symonds, Burton K., Manufacturer	96 Ash St.
Temple, Arthur W., Real Estate	35 Temple St.
Thorn, Fred J., Shipper	22 Avon St.
Thornton, Patrick, Millhand	6 Minot St.
Wall, Edward T., Millhand	8 Center Ave.
Whitney, Glen E., Insurance	Ellis Ave.

Approved:

FREDERICK L. SPRINGFORD

H. RAYMOND JOHNSON

JOSEPH D. KNIGHT

Selectmen of Reading.

TOWN MEETINGS, 1922

SPECIAL TOWN MEETING

Security Hall, Woburn St., Jan. 23, 1922.

Pursuant to the warrant and the Constable's return thereon a town meeting was held at the time and place therein specified and was called to order by the Moderator, Jesse W. Morton. The warrant was partly read by the Town Clerk, Millard F. Charles, when it was moved by Otis B. Ruggles to dispense with further reading of the warrant except the Constable's return, and it was so voted. The Constable's return was read.

Article 1. To hear and act on the reports of town officers and special committees and determine what instructions will be given the town officers.

Article 1. On motion of Otis B. Ruggles, it was voted to lay this article on the table.

Article 2. To see if the Town will vote to have the Board of Selectmen and Overseers of the Poor serve without compensation, or what it will do in relation thereto.

Article 2. On motion of Henry Q. Millett, it was voted that beginning with the date of the annual election of Town Officers in the year 1922, the Selectmen and Overseers of the Poor of the town shall serve without pay and shall not be entitled to compensation.

Article 3. To see if the Town will vote to elect Selectmen and Overseers of the Poor for terms of three years; one member of each board to be elected each year, and at the annual town meeting next ensuing there be elected three members of each board, one member of each board to serve for one year, one member for two years and one member for three years.

Article 3. On motion of Otis B. Ruggles, it was voted that the Selectmen and Overseers of the Poor be elected for terms of three years; one member of each board to be elected each year, and that at the annual town meeting next ensuing there be elected three members of each board, one member of each board to serve for one year, one member for two years and one member for three years.

On motion of Otis B. Ruggles, it was voted to adjourn sine die.

MILLARD F. CHARLES, Town Clerk.

ANNUAL TOWN MEETING

Security Hall, Woburn St., March 6, 1922.

Pursuant to the warrant and the Constable's return thereon a town meeting was held at the time and place therein specified and was called

to order by the Moderator, Jesse W. Morton. The warrant was partially read when it was voted to dispense with further reading except the Constable's return.

Article 1. To bring in their votes on one ballot for Moderator; Town Clerk; Selectmen, one for one year, one for two years, one for three years; Overseers of the Poor, one for one year, one for two years, one for three years; Treasurer; Collector of Taxes; one member of the Board of Health for three years; two members of the School Committee for three years; one member of the Municipal Light Board for three years; two Trustees of the Public Library for three years; two Trustees of Laurel Hill Cemetery for three years; Tree Warden; two Constables; Board of Assessors, one member for one year, one for two years, one for three years; two members of the Planning Board for three years; also on the same ballot, "Yes" or "No," in answer to the following question:

Shall licenses be granted for the Sale of Certain Non-Intoxicating Beverages in this Town? Also on the same ballot, "Yes" or "No," to see if the Town will accept the provisions of Chapter 14, Acts of 1921: "An Act to authorize assessors in towns to appoint assistant assessors.

Moderator, One Year

Jesse W. Morton, 114 Woburn St.	1287
Blanks	160

Town Clerk, One Year

Millard F. Charles, 66 Bancroft Ave.	1291
Blanks	156

Selectman, One Year

Edward J. Dahill, 74 Woburn St.	343
Frederick L. Springford, 55 Middlesex Ave.	1024
Blanks	80

Selectman, Two Years

H. Raymond Johnson, Vale Road	1267
Blanks	180

Selectman, Three Years

Ernest A. Hill, 86 Summer Ave.	469
Joseph D. Knight, 7 Perkins Ave.	882
Blanks	96

Overseer of Poor, One Year

Edward J. Dahill, 74 Woburn St.	332
Frederick L. Springford, 55 Middlesex Ave.	1009
Blanks	106

Overseer of Poor, Two Years

H. Raymond Johnson, Vale Road	772
Annie E. Patrick, 312 Main St.	602
Blanks	73

Overseer of Poor, Three Years

Ernest A. L. Hill, 86 Summer Ave.	465
Joseph D. Knight, 7 Perkins Ave.	863
Blanks	119

Assessor, One Year

Edward B. Eames, 193 Main St.	1191
Blanks	256

Assessor, Two Years

Alvah W. Clark, 232 Main St.	1200
Blanks	247

Assessor, Three Years

George E. Horrocks, 25 Pleasant St.	615
J. Fred Richardson, 17 Prospect St.	731
Blanks	101

Treasurer, One Year

Henry H. Kinsley, 65 Linden St.	1253
Blanks	194

Tax Collector, One Year

Grace V. Viall, 42 Bancroft Ave.	1316
Blanks	131

Constables, One Year

Albert C. Graupner, Jr., 35 Pleasant St.	999
Edward G. Quinlan, 228 Main St.	1086
Blanks	809

Board of Health, Three Years

Edward M. Halligan, 3 Salem St.	1224
Blanks	223

School Committee, Three Years

Jesse W. Morton, 114 Woburn St.	1150
Ida A. Young, 86 Woburn St.	1143
Blanks	601

Electric Light Commissioner, Three Years

Harry P. Baker, 85 West St.	1206
Blanks	241

Tree Warden, One Year

Henry M. Donegan, 15 Federal St.	1266
Blanks	181

Trustees of Laurel Hill Cemetery, Three Years

Frank L. Edgerley, 203 Main St.	1216
Willie E. Twombly, 35 Highland St.	1181
Blanks	497

Trustees Public Library, Three Years

Ralph S. Keneely, 86 Salem St.	1112
Horace G. Wadlin, 118 Woburn St.	1176
Blanks	606

Planning Board, Three Years

John L. Dodge, 49 Prescott St.	1136
Amos M. McLean, 42 Prescott St.	7
Blanks and scattering	1751

Shall Licenses be granted for the sale of Certain Non-Intoxicating Beverages in this Town?

Yes	390
No	808
Blanks	249

To see if the Town will accept the provisions of Chapter 14, Acts of 1921, an Act to authorize assessors in towns to appoint assistant assessors.

Yes	506
No	426
Blanks	515

The ballots were counted and declared in open town meeting and sealed and delivered to the Town Clerk, whereupon the meeting adjourned.

MILLARD F. CHARLES, Town Clerk.

ANNUAL TOWN MEETING

Security Hall, March 13th, 1922.

Pursuant to the annual warrant a town meeting was held, and was called to order by the Moderator, Jesse W. Morton. The following were appointed checkers and were duly sworn by the Town Clerk, Millard F. Charles: Christine F. Atkinson, Jessie N. Thaxter, Chester C. Richardson, George L. Flint.

Article 2. To hear and act on the reports of the Selectmen, Overseers of the Poor, Assessors, Treasurer, Collector of Taxes, Board of Public Works, School Committee, Municipal Light Board, Trustees of the Public Library, Trustees of the Cemetery, Board of Health, Tree Warden, Accountant, Finance Committee, Planning Board and Special Committees.

Article 2. On motion of Fred L. Springford, it was voted to lay this article on the table.

Article 3. To choose all other necessary Town Officers and determine what instructions be given the Town Officers.

Article 3. On motion of Frederick L. Springford, it was voted to elect the following as Measurers of Lumber: Ora L. Milbury, Warren M. Whitehouse, William R. Zwicker, Burton K. Symonds, Edward B. Eames and Rolland L. Perry. The following as Measurers of Wood and Bark: Percy N. Sweetser, Burton K. Symonds, Thomas E. Brogan and Warren M. Whitehouse.

Article 3. It was voted to lay Article 3 on the table.

Article 4. To determine how much money the Town will raise and appropriate for General Government, Protection of Persons and Property, Health and Sanitation, Highways, Bridges and Sidewalks, Street Lighting, Charities and Aid, Soldiers' Benefits, School Department, Public Library, Laurel Hill Cemetery, Recreation, Insurance and Interest.

Article 4. On motion of Frederick L. Springford, and as amended by Charles P. Howard, the following amounts were duly voted for General Government:

Moderator	\$ 60.00
Selectmen's Salaries	83.33
Selectmen's Expenses	300.00
Selectmen's Clerical Assistance	1310.00
Town Accountant's Salary	1000.00
Treasurer's Salary	750.00
Treasurer's Expenses	400.00
Tax Collector's Salary	2000.00
Tax Collector's Clerical Assistance	150.00
Tax Collector's Expenses	600.00
Assessors' Salaries	1200.00
Assessors' Clerical Assistance	936.00
Assessors' Expenses	900.00
Town Clerk's Salary	200.00
Town Clerk's Expenses	500.00
Town Counsel's Salary	500.00
Registrars' Salaries	170.00
Election Expenses	700.00
Board of Public Works, Salary of Supt.	3000.00
Board of Public Works, Expense	250.00
Board of Public Works, Clerical Assistance	750.00

On motion of Frederick L. Springford, it was voted to raise and appropriate for General Accounts the following amounts:

Miscellaneous Expenses	\$ 3000.00
Maintenance of Central Fire Station	700.00
Maintenance of Municipal Building	2000.00
Lighting G. A. R. Hall.....	25.00
Lighting Victory House	175.00
Insurance	2098.26
Interest	26,047.50

On motion of Frederick L. Springford, it was voted to raise and appropriate the following sums for Protection of Life and Property:

Chief of Police	\$ 2000.00
Four Patrolmen at seventeen hundred dollars each	6800.00
One Patrolman, six months at eight hundred dollars	800.00
One patrolman, six months at eight hundred and fifty dollars	850.00

Special Officers	100.00
Expenses	735.00
Chief Fire Department	2000.00
Three Firemen at seventeen hundred each	5100.00
One Fireman	1600.00
Twenty-five Call Firemen	2500.00
Twenty-five Poll taxes	125.00
Four Captains	40.00
Steward Hose No. 2	100.00
Fire Dept., Expenses	2200.00
Extra Repairs and Equipment	290.00
New Hose	900.00
Punch Register	190.00
Fire Alarm Maintenance	900.00
Supt. of Fire Alarm, Salary	100.00
Moth Dept., Maintenance	6400.00
Forest Warden, Maintenance	200.00
Tree Warden, Maintenance	1500.00
Inspector of Wires	100.00
Inspector of Buildings	300.00
Sealer of Weights and Measures	300.00
Sealer of Weights and Measures, Expenses	100.00

On motion of Frederick L. Springford, it was voted to raise and appropriate for Health and Sanitation the following amounts:

Salaries Board of Health	\$ 250.00
Expenses Board of Health	250.00
Inspector of Plumbing	700.00
Inspector of Milk	100.00
Inspector of Animals	200.00
Care of Contagious Diseases	1200.00
Garbage Collection	1300.00

Charities and Aid

Poor Dept., Salaries of Overseers	50.00
Clerical Assistance	352.00
Visitor's Salary	400.00
Aid	3500.00
Board and Care	2500.00
Mothers' Aid, Town	1500.00
Mothers' Aid, State	2500.00
Temporary Aid, State	1800.00

Soldiers' Benefits

Soldiers' Relief	3000.00
Military Aid	500.00
State Aid	700.00

On motion of George H. Clough, it was voted that the sum of fifty thousand dollars be raised and appropriated for the construction, maintenance and repairs of highways, the purchase of materials, tools and appliances, and for the payment of any other incidental expenses pertaining thereto (\$50,000.00).

On motion of William G. Long, it was voted to raise and appropriate for electricity used for street lights the sum of fifteen thousand three hundred dollars, and that said sum and the income from sales of electricity to private consumers and for electricity supplied to municipal buildings and for electricity supplied for municipal power and from sales of appliances and jobbing during the current fiscal year and the balance of the operation fund of \$3506.09 be appropriated for the municipal lighting plant, the whole to be expended by the manager of municipal lighting under the direction and control of the Municipal Light Board for the expense of the plant for said fiscal year, as defined in Section 57 of Chapter 164 of the General Laws, and that if said sum and said income shall exceed said expense for said fiscal year, such excess shall be transferred to the construction fund of said plant and appropriated and used for such additions thereto as may thereafter be authorized by the Municipal Light Board (\$15,300.00).

Highways, Bridges and Sidewalks

On motion of George H. Clough, it was voted to raise and appropriate:

Removal of Snow and Ice	\$ 1500.00
Cleaning Draining Ditches	1000.00

On motion of George H. Clough, it was voted to raise and appropriate:

Hydrant Rentals	\$ 6060.00
Drinking Fountains	100.00

and the above named sums, together with Water Dept. receipts estimated at \$30,480.00 and the balance on hand Jan. 1st of \$6312.92, be appropriated for interest on water bonds, maintenance of Water Works and main and service pipes, and that \$9000.00 of the above mentioned amount be paid by Water Department to the Town Treasurer to be used in part payment of water bonds.

Education

On motion of Walter S. Parker, it was voted to raise and appropriate for Schools as follows:

School Department Salaries	\$101,600.00
Expenses School Department	26,000.00
Agricultural School Salaries	4000.00
Expenses Agricultural School	900.00
Tuition, Industrial Schools	300.00

Public Library

On motion of Arthur N. Mansfield, it was voted to raise and appropriate for the Public Library:

Salaries Public Lihrary	\$ 1550.00
Expenses Public Library	2250.00

Laurel Hill Cemetery

On motion of Galen A. Parker, it was voted to raise and appropriate for Laurel Hill Cemetery (\$4124.59).

Recreation

On motion of George H. Clough, it was voted to raise and appropriate:

Rent of Ball Field	\$ 342.00
Care of Common, Parks and Supervised Play	1463.33

Memorial Day Observance

On motion of Walter S. Parker, it was voted to raise and appropriate for observance of Memorial Day the sum of three huded dollars (\$300.00).

On motion of Frederick L. Springford, Art. 4 was laid on the table

Art. 5. To see if the Town will appropriate from Excess and Deficiency Account the following sums to balance overdrafts in the respective accounts: Poor Department, \$1556.62; Mothers' Aid, Commonwealth of Massachusetts, \$2451.56; Temporary Aid, Commonwealth of Massachusetts, \$1883.57; State Aid, Commonwealth of Massachusetts, \$718.00; Board of Health, Care Contagious Diseases, \$488.86; Taxes on Property Taken, \$288.76; Fire Alarm Maintenance, \$480.19; Police Department Maintenance, \$201.73; Tree Warden, \$2043.47; total, \$10,002.76, or what it will do in relation thereto.
(Town Accountant.)

Art. 5. On motion of Leon G. Bent, it was voted that the sum of ten thousand two hundred and 76-100 dollars be appropriated from Excess and Deficiency Account to balance overdrafts in the following accounts:

Poor Dept.	\$ 1556.62
Mothers' Aid, Commonwealth of Mass.	2451.56
Temporary Aid, Commonwealth of Mass.	1883.57
State Aid, Commonwealth of Mass.	718.00
Board of Health, Contagious Diseases	488.86
Taxes on Property Taken	288.76
Fire Alarm Maintenance	480.19
Police Dept.	201.73
Tree Warden	2043.47

and that the Town Accountant be and hereby is authorized and instructed to transfer said sums to the respective accounts.

Art. 6. To see if the Town will raise and appropriate or otherwise provide the sum of eighteen hundred dollars (\$1800.00) for installation of motor in hook and ladder truck of the Fire Department, or what it will do in relation thereto.
(Selectmen.)

Art. 6. On motion of Frederick L. Springford, it was voted to transfer the sum of \$1800.00 from the Excess and Deficiency Account for the installation of motor in hook and ladder truck of the Fire Department, and that the Town Accountant be and hereby is authorized and instructed to transfer from the Excess and Deficiency Account the sum so voted.

Art. 7. To see if the Town will raise and appropriate the sum of one thousand dollars (\$1000.00) and appropriate from Overlay Reserve Fund the sum of one thousand dollars (\$1000.00) for the Reserve Fund, as provided by Chapter 645, Acts of 1913, or what it will do in relation thereto.
(Town Accountant.)

Art. 7. On motion of Leon G. Bent, it was voted that the sum of one thousand dollars be raised and appropriated for the Reserve Fund as provided by Chapter 645, Acts of 1913, and that \$1000.00 be appropriated from Overlay Reserve Fund and transferred to the Reserve Fund \$1000.00.

Art. 2. On motion of Charles P. Howard it was voted to take Art. 2 from the table.

REPORT OF COMMITTEE APPOINTED UNDER ART. 17 OF LAST ANNUAL TOWN MEETING

The committee appointed under Art. 17 of the last annual meeting to investigate and report as to the advisability of assessing a portion of the cost of grading and surfacing streets upon the abutters, has met from time to time throughout the year, accumulated a considerable mass of information upon the subject and made progress in arriving at a conclusion. Upon discussing the question with the Board of Public Works, however, the committee learned that the board considered it inadvisable to make any change in existing methods until it had had a longer time to familiarize itself with the situation, and to try out its own plans. Consequently, the committee merely reports progress, and requests that the town authorize it to continue its work during the ensuing year and to report at the next annual town meeting.

Signed: Charles P. Howard, Chairman, Mary F. Daniel, Henry Q. Millett, John L. Devaney, Joseph D. Knight.

It was voted to accept report of committee and to adopt their recommendations.

Art. 8. To see if the Town will authorize the Treasurer, with the approval of the Selectmen, to borrow money from time to time in anticipation of the revenue of the financial year beginning January 1, 1922, and to issue a note or notes therefor, payable within one year, any debt or debts incurred under this vote to be paid from the revenue of said financial year. (Town Treasurer.)

Art. 8. On motion of Henry H. Kinsley, it was voted that the Treasurer, with the approval of the Selectmen, be authorized to borrow money from time to time in anticipation of the revenue of the financial year beginning January 1, 1922, and to issue a note or notes therefor, payable within one year, any debt or debts incurred under this vote to be paid from the revenue of said financial year.

Art. 9. To see if the Town will vote to authorize the Treasurer, with the approval of the Selectmen, to renew or refund any notes issued in anticipation of revenue for a period of less than one year, in accordance

with the provisions of Section 9 of Chapter 719 of the Acts of 1913; or to take any action relative thereto. (Town Treasurer.)

Art. 9. On motion of Henry H. Kinsley, it was voted that the Treasurer, with the approval of the Selectmen, be authorized to renew or refund any notes issued in anticipation of revenue for a period of less than one year, in accordance with the provisions of Section 9 of Chapter 719 of the Acts of 1913.

Art. 3. On motion of Leon G. Bent, it was voted to take this article from the table.

On motion of Leon G. Bent, it was voted that the Town Accountant be and hereby is authorized and instructed to transfer from Excess and Deficiency Account the sum of fifteen thousand five hundred dollars to be applied to the payment of maturing notes and bonds of the current year.

It was voted to lay Art. 3 on the table.

Art. 10. To see if the Town will raise and appropriate or otherwise provide the sum of two hundred and sixty-four dollars (\$264.00) for the purpose of providing suitable quarters for Veteran Post 194, G. A. R., in accordance with Chapter 62, Acts 1913, Section 1, or what it will do in relation thereto. (Selectmen.)

Art. 10. On motion of Frederick L. Springford, it was voted that the sum of \$264.00 be raised and appropriated for the purpose of providing suitable quarters for Veteran Post No. 194, G. A. R., in accordance with Sec. 1, Chapter 62, Acts of 1913.

Art. 11. To see if the Town will raise and appropriate the sum of four hundred dollars (\$400.00) for painting the exterior woodwork of the Municipal Building, or what it will do in relation thereto. (Selectmen.)

Art. 11. On motion of Frederick L. Springford, it was voted that the sum of four hundred dollars be raised and appropriated for painting the exterior work of the Municipal Building (\$400.00).

Art. 12. To see if the Town will raise and appropriate or otherwise provide the sum of two thousand seven hundred seventy-five dollars (\$2775.00) for the care of graves of any person who has served in the Army, Navy or Marine Corps of the United States in time of war or insurrection, and has been honorably discharged from such service, and to authorize the Selectmen to appoint a citizen of the town to see that such graves are suitably cared for, as provided in Chapter 115, Section 22, of the General Laws, or what it will do in relation thereto. (Selectmen.)

Art. 12. On motion of Frederick L. Springford, it was voted that the sum of \$875.00 be appropriated from Excess and Deficiency Account for the care of graves of any person who has served in the Army, Navy or Marine Corps of the United States in time of War or insurrection, and has been honorably discharged from such service, and to authorize the Selectmen to appoint a citizen of the town to see that such graves are suitably cared for as provided in Chapter 115, Section 22 of the General

Laws, and that the Town Accountant be and is hereby authorized and instructed to transfer from Excess and Deficiency Account the sum so voted.

Art. 13. To see if the Town will vote to accept Section 58 of Chapter 48 of the General Laws: An Act relative to the "tenure of office of Chiefs of the Fire Departments in the Metropolitan Fire Prevention Districts," or what it will do in relation thereto. (Selectmen.)

Art. 13. On motion of Frederick L. Springford, it was voted to lay this article on the table.

Art. 14. To see if the Town will raise and appropriate or otherwise provide the sum of thirty-five hundred dollars (\$3500.00) for the purpose of making a survey and plans, searching out and establishing old waterways, preliminary to the construction of a surface water drainage system for the Town of Reading, or what it will do in relation thereto.

(Board of Public Works.)

Art. 14. On motion of George H. Clough, it was voted to raise and appropriate the sum of \$3500.00 for the purpose of making a survey and plans, searching out and establishing old waterways, preliminary to the construction of a surface waterway drainage system for the Town of Reading.

Art. 15. To see what action the Town will take regarding the installation of additional street lights on the public streets during the year 1922.

(Municipal Light Board.)

Art. 15. On motion of William G. Long, it was voted that the subject matter of Art. 15 be referred to the Municipal Light Board, with authority to install such additional street lights as in their judgment are necessary and to make such changes in existing lights as they deem advisable, the expense of same to be paid from the regular appropriation for the plant.

Art. 16. To see if the Town will authorize the payment of \$66.66 for salary due to the end of elective year of the late Ardine M. Allen, Assessor, or what it will do in relation thereto.

(Board of Assessors.)

Art. 16. On motion of George E. Horrocks, it was voted to authorize the payment of \$66.66 to the estate of Ardine M. Allen for salary due to end of elective year.

Art. 17. To see if the Town will authorize the Selectmen to appoint a committee of citizens to investigate and report at the next town meeting on the possibility of establishing a Town Forest, and to see how much money the Town will raise and appropriate or otherwise provide for the use of the committee for this purpose, or what it will do in relation thereto.

(Selectmen.)

Art. 17. On motion of Frederick L. Springford, it was voted to refer the subject matter of this article to the Board of Selectmen.

Art. 18. To see if the Town will raise and appropriate the sum of two hundred dollars (\$200.00) for Child Welfare Work, to be expended

under the direction of the Reading Visiting Nurse Association, or what it will do in relation thereto. (Elizabeth H. Brown and others.)

Art. 18. It was voted to appropriate two hundred dollars from Miscellaneous Expense Account for Child Welfare Work to be expended under the direction of the Reading Visiting Nurse Association.

Art. 19. To see if the Town will raise and appropriate or otherwise provide the sum of two hundred dollars (\$200.00) to improve Summer Ave. from Main St. East, or what it will do in relation thereto.

(Joseph Shipkin and others.)

Art. 19. On motion of Frederick L. Springford, it was voted to refer the subject matter of this article to the Board of Public Works.

Art. 20. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300.00) for the purpose of building a sidewalk on the westerly side of Hanscom Ave., from Lowell St. northerly as far as said avenue is accepted, or what it will do in relation thereto.

(E. C. Hanscom and others.)

Art. 20. On motion of Frederick L. Springford, it was voted to refer the subject matter of this article to the Board of Public Works.

Art. 21. To see if the Town will vote to raise and appropriate the sum of one hundred fifty dollars (\$150.00) or some other amount, and elect a director for demonstration work in agriculture and home economics, the money to be expended by, and the director to serve in co-operation with the County Trustees for Aid to Agriculture of the Middlesex County Bureau of Agriculture and Home Economics, under the provisions of Chapter 273, General Acts of 1918; it being understood that fifty dollars (\$50.00) shall be expended for local supervision of boys' and girls' club work, or what it will do in relation thereto.

(Rolland L. Perry and others.)

Art. 21. On motion of Rolland L. Perry, it was voted to appropriate from Miscellaneous Expense Account the sum of \$150.00, and that the Selectmen appoint a director for demonstration work in Agriculture and Home Economics, the money to be expended by, and the director serve in co-operation with the County Trustees for aid to Agriculture of the Middlesex County Bureau of Agriculture and Home Economics under the provisions of Chapter 273, General Acts of 1918, it being understood that \$50.00 shall be expended for local supervision of boys' and girls' club work.

Art. 22. To see if the Town will authorize and direct the Board of Public Works to spend money from the appropriation for road maintenance and repair to render Hopkins St. passable at all times for vehicles and pedestrians from Main St. to the Reading-Wakefield town line by filling or grading in such manner that said piece of road shall not be obstructed by sand, mud or pools of water under normal conditions, or what it will do in relation thereto.

(John H. Laumann and others.)

Art. 22. On motion of Frederick L. Springford, it was voted to refer the subject matter of this article to the Board of Public Works.

Art. 23. To see if the Town will raise and appropriate or otherwise provide the sum of five hundred dollars (\$500.00) to make certain specific repairs on West St., near the junction of Willow St., provided the State and County appropriate a like amount, or what it will do in relation hereto.
(George P. Abbott and others.)

Art. 23. On motion of Frederick L. Springford, it was voted to refer the subject matter of this article to the Board of Public Works.

Art. 2. On motion of Frederick L. Springford, it was voted to take this article from the table.

On motion of Frederick L. Springford, it was voted to accept reports of Town Officers as printed in Town Report and to accept report of Finance Committee as printed.

The checkers on voting list reported that 202 men voters and 56 women voters had been checked as admitted to this annual business town meeting.

It was voted to adjourn sine die.

MILLARD F. CHARLES, Town Clerk.

PRIMARIES

Security Hall, Sept. 12, 1922.

Pursuant to the warrant and the return by the Constable thereon, a Primary was held at the time and place therein specified and was called to order by the chairman of the Board of Selectmen, Frederick L. Springford. The Town Clerk read the warrant, the ballots were delivered to the chairman, the ballot box was examined and declared empty and the keys delivered to the Constable in charge, Albert C. Graupner, Jr. The following Ballot Clerks were duly sworn by the Town Clerk: James A. Waters, William D. Quillen, Chester C. Richardson, Ernest A. Clapp, Mrs. Annie D. Blamy, Katherine E. Murray, Jessie W. Thaxter, Helen A. Brown.

Tellers: Charles C. Johnson, Charles E. Mellen, William W. Atkinson, George W. Goodridge, George M. Hutchinson, Edgar O. Dewey, Charles A. Sullivan, Paul J. Cummings, Richard N. B. Wilson, Edward G. Quinlan, Frank P. Doucette, Bernard T. Granfield.

The ballot was duly declared open. The polls were duly closed at 8 p. m. with the following result:

REPUBLICAN BALLOT

For Governor

J. Weston Allen of Newton.....	308
Channing H. Cox of Boston.....	999
Blanks	31

For Lieutenant Governor

Alvan T. Fuller of Malden.....	924
Joseph E. Warner of Taunton	360
Blanks	54

For Secretary

Frederick W. Cook of Somerville.....	1169
Blanks	169

For Treasurer

Fred J. Burrell of Medford.....	285
James Jackson of Westwood	917
Blanks	136

For Auditor

J. Arthur Baker of Pittsfield	498
Alonzo B. Cook of Boston	674
Blanks	166

For Attorney General

Jay R. Benton of Belmont	674
John D. W. Bodfish of Barnstable	33
James F. Cavanagh of Everett	43
S. Howard Donnell of Peabody	58
George P. Drury of Waltham	45
Harold D. Wilson of Somerville	300
Blanks	185

For Senator in Congress

Henry Cabot Lodge of Nahant	1066
Joseph Walker of Brookline	220
Blanks	52

For Congressman, 5th District

John Jacob Rogers of Lowell	1249
Blanks	89

For Councillor, 6th District

Charles S. Smith of Lincoln	1089
Blanks	249

For Senator, 7th Middlesex District

Edgar H. Hall of Acton	108
Charles P. Howard of Reading	1172
Howard B. White of Ayer	23
James H. Wilkins of Carlisle	4

For Middlesex County Commissioner

Erson B. Barlow of Lowell	1035
Blanks	303

For Representatives in General Court, 18th Middlesex District

Henry L. Andrews of Woburn	373
Fred J. Brown of Woburn	323
Heber B. Clewley of Woburn	78
William F. Davis, Jr., of Woburn	71
Gustave W. Everberg of Woburn	449
John H. Hinkley of Stoneham	261
Elmore A. Pierce of Woburn	151
Lemuel W. Standish of Stoneham	341
Blanks	606

For Associate County Commissioners

Otis B. Ruggles of Reading	15
William S. Kinsley of Reading	18
Blanks	2642

For District Attorney, Northern District

William C. Drouett of Arlington	28
Benjamin F. Haines of Medford	125
George Stanley Harvey of Malden	183
Gardner W. Pearson of Lowell	263
Arthur K. Reading of Cambridge	414
James C. Reilly of Lowell	206
Blanks	124

For Clerk of Courts, Middlesex County

Ralph N. Smith of Arlington	1075
Blanks	262

For Register of Deeds, Middlesex County, Southern District

Thomas Leighton, Jr., of Cambridge	1079
Blanks	239

For County Treasurer, Middlesex County

Charles E. Hatfield of Newton	1071
Blanks	267

For State Committee

Chester W. Clark of Wilmington	923
Blanks	415

For Delegates to the State Convention

Helen R. Abbott	1106
Annie M. Lane	1051
Estelle H. Lewis	1074
Harriette L. Leutchman	1048
Elizabeth H. Brown	1106
Henry Q. Millett	1077
August G. MacLeod	1066
Louis Ellenwood	1065

Arthur S. Cook	1078
Edward B. Eames	1091
Blanks	2614
Scattering	4

For Town Committee

Louis Ellenwood	1062
Arthur S. Cook	1099
Mary F. Daniel	1077
J. Edward Frost	1095
Edgar O. Dewey	1098
Jesse W. Morton	1122
Helen R. Grimes	1087
Grace B. Shepardson	1105
Annie E. Patrick	1069
Josephine L. Fowler	1079
Lillian J. Knight	1062
Grace L. Twombly	1116
Henry Q. Millett	1077
August G. MacLeod	1080
Edward B. Eames	1091
Blanks	3663
Scattering	8

Total ballots cast, 1338, which were duly counted by the Tellers according to law and the result duly announced.

DEMOCRATIC TICKET

For Governor

Joseph B. Ely of Westfield	16
John F. Fitzgerald of Boston	82
Eugene N. Foss of Boston	8
Peter F. Sullivan of Worcester	5
Blanks	5

For Lieutenant Governor

John J. Cummings of Boston	28
John F. Doherty of Boston	30
Michael A. O'Leary of Brookline	41

For Secretary

Charles H. McGlue of Lynn	91
Blanks	25

For Treasurer

Joseph E. Venne of Leominster	86
Blanks	30

For Auditor

Alice E. Cram of Boston	92
Blanks	24

For Attorney General

John E. Swift of Milford	86
Blanks	30

For Senator in Congress

William A. Gaston of Boston	53
Dallas Lore Sharp of Hingham	2
John Jackson Walsh of Boston	11
Sherman L. Whipple of Brookline	48
Blanks	2

For Congressman, 5th District

Andrew E. Barrett of Lowell	87
Blanks	29

For Councillor, 6th District

Blanks	116
--------------	-----

For Senator, 7th Middlesex District

Charles H. Burns of Lynn	38
William F. Curtin of Lowell	37
Blanks	41

For Representatives in General Court, 18th Middlesex District

Edward P. Kelley of Woburn	68
Leonard E. Weafer of Woburn	74
Blanks	90

For County Commissioner

Blanks	116
--------------	-----

For Associate County Commissioners

Blanks	232
--------------	-----

For District Attorney, Northern District

Anthony J. Doherty of Lincoln	26
James C. Rielly of Lowell	69
Blanks	21

For Clerk of Courts

Blanks	116
--------------	-----

For Register of Deeds

Blanks	116
--------------	-----

For County Treasurer

Blanks	116
--------------	-----

For State Committee

Blanks	116
--------------	-----

For Delegates to State Convention

Margaret A. Canty	87
Kittie M. Bangs	76
Katharine E. Murray	75
Anna Blamy	77
Blanks	149

For Town Committee

Kittie M. Bangs	67
Millard F. Charles	79
Owen McKenney	80
John W. Haley	76
Margaret A. Canty	73
James A. Waters	69
Anna L. Blamy	71
Katherine E. Murray	71
George L. Flint	76
Blanks	382

The ballots for the Democratic party were duly counted and declared in open town meeting according to law, a total of 116 ballots being cast.

MILLARD F. CHARLES, Town Clerk.

STATE ELECTION

Security Hall, Reading, Mass., Nov. 7, 1922.

Pursuant to the warrant and the Constable's return thereon a town meeting was held and called to order by Frederick L. Springford, chairman of the Board of Selectmen, at time mentioned in the warrant. The warrant was read and the ballot boxes examined and found empty and the keys placed in charge of the Constable.

The following were duly sworn in as Ballot Clerks: Ernest A. Clapp, William D. Quillen, James A. Waters, Chester C. Richardson, Charles C. Johnson, John J. Walsh, Jr., Catherine F. Whelton, Anna M. Blamy, Margaret A. Canty, Helen A. Brown, Jessie N. Thaxter, Marion P. Allen.

Tellers: Richard N. B. Wilson, Charles A. Sullivan, Bernard T. Granfield, Charles E. Mellen, Harry E. Smith, George M. Hutchinson, Jennie B. Parker, Christine F. Atkinson, Mary H. Daniel, Mary C. Barrett, Helen J. Middleton, Mary A. O'Brien.

The ballots were delivered to the chairman of the Board of Selectmen and the polls were duly declared open.

It was voted on motion of Leon G. Bent, that the polls close at 5.30 o'clock p. m. The polls were duly closed at 5.30 o'clock p. m. Whole number of votes cast, 2551. The following is the result of the balloting:

For Governor

Channing H. Cox of Boston	1898
John F. Fitzgerald of Boston	518
Henry Hess of Boston	8
Walter S. Hutchins of Greenfield	3
John B. Lewis of Reading	70
Blanks	54

For Lieutenant Governor

John F. Doherty of Boston	402
Alvin T. Fuller of Malden	2010
Oscar Kinsalis of Springfield	11
Thomas Nicholson of Methuen	10
Blanks	118

For Secretary

Frederic W. Cook of Somerville	1979
Albert Sprague Coolidge of Pittsfield	18
James Hayes of Plymouth	14
Charles H. McGlue of Lynn	369
Blanks	171

For Treasurer

James Jackson of Westwood	1988
Patrick H. Loftus of Arlington	34
Dennis F. Reagan of Brockton	13
Joseph E. Venne of Leominster	346
Blanks	170

For Auditor

John Aiken of Everett	26
Alonzo B. Cook of Boston	1749
Alice E. Cram of Boston	316
Edith M. Williams of Brookline	17
Blanks	243

For Attorney General

Joseph Bearak of Boston	10
Jay R. Benton of Belmont	1908
David Craig of Milford	17
John E. Swift of Milford	394
Blanks	222

For Senator in Congress

Washington Cook of Sharon	15
William A. Gaston of Boston	590
Henry Cabot Lodge of Nahant	1666
John A. Nichols of Boston	168
John Weaver Sherman of Boston	12
William E. Weeks of Everett	24
Blanks	76

For Congressman, 5th District

Andrew E. Barrett of Lowell	381
John Jacob Rogers of Lowell	2019
Blanks	151

For Councillor, 6th District

Charles S. Smith of Lincoln	2023
Blanks	528

For Senator, 7th Middlesex District

Frank P. Bennett of Saugus	99
William F. Griffin of Lowell	295
Charles P. Howard of Reading	2016
Blanks	141

For Representatives in General Court, 18th Middlesex District

Gustave W. Everberg of Woburn	1650
Edward Paul Kelley of Woburn	347
Lemuel W. Standish of Stoneham	1595
Leonard E. Weafer of Woburn	378
Blanks	1132

For County Commissioner, Middlesex County

Erson B. Barlow of Lowell	1981
Blanks	570

For Associate Commissioners, Middlesex County

Sherman H. Fletcher of Westford	1823
John M. Keyes of Concord	1645
Blanks	1634

For District Attorney

Arthur K. Reading of Cambridge	1649
James C. Reilly of Lowell	723
Blanks	179

For Clerk of Courts

Ralph N. Smith of Arlington	2004
Blanks	547

For Register of Deeds

Thomas Leighton, Jr., of Cambridge	2015
Blanks	536

For County Treasurer, to fill vacancy in Middlesex County

Charles E. Hatfield of Newton	1987
Blanks	564

Referendum No. 1, Amendment to Constitution

Yes	1392
No	386
Blanks	773

Referendum No. 2, Voluntary Associations

Yes	1356
No	476
Blanks	719

Referendum No. 3, Motion Pictures

Yes	860
No	1455
Blanks	236

Referendum No. 4, Enforcement of Liquor Laws

Yes	1481
No	861
Blanks	209

Referendum No. 5, District Attorney Member of Bar

Yes	1672
No	379
Blanks	500

The ballots were counted and declared in open town meeting and sealed and delivered to the Town clerk.

MILLARD F. CHARLES, Town Clerk.

Commonwealth of Massachusetts, County of Middlesex, City of Woburn

In accordance with the provisions of Section 125, Chapter 54 of the Revised Laws of Massachusetts of 1921, the City Clerk of Woburn and the Town Clerks of Reading and Stoneham, being the City and Town Clerks of every city and town in Representative District number eighteen within said County, met at the City Hall, Woburn, at noon on Friday, November 17, A. D. 1922, being the tenth day succeeding the day of the State Election held on Tuesday, November 7, A. D. 1922, and then and there opened, examined and compared the copies of the records of votes cast at said election for the office of representative, and determined therefrom that Gustave W. Everberg of Woburn and Lemuel W. Standish of Stoneham were elected to the office of Representative.

The following is a schedule of the names of all persons for whom votes for Representative were given in said district and the number of votes given for each person, viz.:—

Gustave W. Everberg of Woburn	5098
Edward Paul Kelley of Woburn	3152
Lemuel W. Standish of Stoneham	4535
Leonard E. Weafer of Woburn	3595

In witness whereof, we, the City Clerk of Woburn and the Town Clerks of Reading and Stoneham, hereunto set our hands this 17th day of November, A. D. 1922.

JAMES A. MCLAUGHLIN, City Clerk, Woburn.

MILLARD F. CHARLES, Town Clerk, Reading.

GEORGE N. GREEN, Town Clerk, Stoneham.

Clerk's Office, Woburn, Mass., Nov. 17, 1922.

Received and recorded. Attest:

MILLARD F. CHARLES, Town Clerk.

SPECIAL TOWN MEETING

Security Hall, Woburn St., Dec. 4, 1922.

Pursuant to the warrant and the Constable's return thereon, a town meeting was held and was called to order by the Moderator, Jesse W. Morton. The warrant was partially read, when on motion of Joseph D. Knight it was voted to dispense with further reading except the Constable's return which was read.

Article 1. On motion of George L. Flint, it was voted that the Selectmen be instructed to withhold Building Permit to build on Main Street, between Haven and Pleasant Streets.

Article 1. Voted to lay Article 1 on the table.

Article 2. To see if the Town will appropriate and authorize the transfer from the Excess and Deficiency Account to the General Maintenance Account of the School Department, the sum of two thousand five hundred (\$2,500.00) dollars, or what it will do in relation thereto.

(School Committee.)

Article 2. On motion of Walter S. Parker, it was voted that the Town appropriate from available assets or funds the sum of twenty-five hundred (\$2,500.00) dollars for the general maintenance of the School Department, and that the Town Accountant be and hereby is authorized and instructed to transfer this sum from the Excess and Deficiency Account to the General Maintenance Account of the School Department.

Article 3. To see if the Town will appropriate and authorize the transfer of the sum of fifteen hundred (\$1500.00) dollars from the Excess and Deficiency Account and the sum of thirty-five hundred (\$3500.00) dollars from Interest Account to the Reserve Fund, or what it will do in relation thereto.

(Town Accountant.)

Article 3. On motion of Leon G. Bent, it was voted that the Town appropriate from available funds the sum of five thousand (\$5,000.00) dollars for the Reserve Fund and that the Town Accountant be and hereby is authorized and instructed to transfer the sum of fifteen hundred (\$1,500.00) dollars from the Excess and Deficiency Account and the sum of thirty-five hundred (\$3,500.00) dollars from the Interest Account to the Reserve Fund.

Article 4. To see if the Town will authorize a settlement of pending litigation arising out of an order of the County Commissioners that the northerly approach to the Lowell Street Bridge shall be altered, estimated cost of the alteration being ten thousand two hundred and ninety-six (\$10,296.00) dollars, and the proposition for settlement being that the Boston & Maine R. R. shall contribute five thousand (\$5,000.00) dollars, the Commonwealth two thousand (\$2,000.00) dollars and that the Town and the County shall divide the remaining expense, or what it will do in relation thereto.
(Town Counsel.)

Article 4. On motion of Frederick L. Springfield, it was voted that the Town Counsel be and hereby is authorized to settle the pending litigation referred to in Article 4 of the warrant, in accordance with the terms and conditions set forth therein.

John B. Lewis asked permission to make a proposition to the Town to give at his decease his home place at 160 Woburn St., Reading, Mass., to the Town of Reading for a hospital. The proposition was favorably received.

On motion of Walter S. Parker, it was voted that the Moderator appoint a committee of five to take the matter under consideration and to report on or before the next annual town meeting.

Article 5. To see if the Town will authorize the Board of Selectmen to sell the Hose House Building on Hopkins Street on such terms and conditions as shall seem expedient to them and authorize them to execute in the name of the Town such documents as may be necessary to carry out such authority as may be given them, or what it will do in relation thereto.
(Board of Selectmen.)

Article 5. On motion of Frederick L. Springfield, it was voted that the Board of Selectmen be and they hereby are authorized to sell the Hose House Building on Hopkins Street, on such terms and conditions as shall seem expedient to them, and to execute in the name of the Town such documents as may be necessary to carry out the authority granted thereby.

Article 6. To see if the Town will authorize the Board of Selectmen to sell the Parker Tavern property upon such terms and conditions as may seem expedient, and to execute the necessary documents in connection therewith, or will authorize the Selectmen to expend such sums upon the Parker Tavern itself as they may find necessary for its preservation, or what it will do in relation thereto.
(Board of Selectmen.)

Article 6. On motion of Charles F. Brown, it was voted to indefinitely postpone sale of the Parker Tavern property (so called) on Washington Street.

On motion of Charles F. Brown, it was voted to expend such sum as is necessary to preserve the building known as the Parker Tavern.

Article 7. To see what sum the Town will raise and appropriate, or otherwise provide, for the purpose of providing funds for extensions and enlargements of the Municipal Light Plant, or what it will do in relation thereto. (Municipal Light Board.)

Article 7. On motion of Herbert G. Evans, it was voted that there be raised and appropriated for the purpose of extending and enlarging the Municipal Light Plant the sum of seven thousand dollars (\$7000.00), in addition to the amount which may be available for such purposes in the Depreciation Fund, to be expended by the manager of municipal lighting under the direction and control of the Municipal Light Board; and that the Town Treasurer, with the approval of the Selectmen, be, and hereby is authorized to borrow for the above purposes the sum of \$7000.00, and to issue bonds or notes of the Town therefor, which bonds or notes shall bear interest at a rate not exceeding six per cent per annum and shall be payable in accordance with the provisions of Chapter 44 of the General Laws, so that the whole loan shall be paid in not more than twenty years from the date of the first issue of said bonds or notes.

Thirty-three (33) voted "Yes," and none voted "No."

Article 8. To see if the Town will accept the provisions of Sect. 73 of Part 2 of Chapter 344 of the General Acts of 1917, a section providing that, when accepted, a building line not more than forty feet distant from the exterior line of a highway or town way may be established in the manner provided for laying out ways, and thereafter no structures shall be erected or maintained between such building line and such way, except parts of buildings, such as steps, windows, porticoes and other usual projections appurtenant to the front wall of a building to the extent prescribed in the vote establishing such building line, and except that buildings, steps, fences, gates, etc., existing at the time of the establishment of the building line, may be permitted to remain and to be maintained under such conditions as may be prescribed in the vote establishing such building line and providing for damages and the collection thereof as in laying out a town way, or what it will do in relation thereto.

(George L. Flint and others.)

Article 8. On motion of George L. Flint, it was voted to pass over this article.

On motion of Alfred W. Danforth, it was voted that a vote of thanks be given to John B. Lewis for his generous offer.

It was voted to adjourn "sine die."

MILLARD F. CHARLES, Town Clerk.

NOTICE TO PARENTS, HOUSEWIVES, PHYSICIANS
AND MIDWIVES

Your Attention is Called to the Sections Below Taken from
the Revised Laws—Blank Forms for Return of Births
Can be Obtained of the Town Clerk

SECTION 3, CHAPTER 444, ACTS 1897

Sect. 3. Physicians and midwives shall on or before the fifth day of each month report to the clerk of each city or town a correct list of all children born therein during the month next preceding, at whose birth they were present, stating the date and place of each birth, the name of the child, if it has any, the sex and color of the child, the name, place of birth and residence of the parents, the maiden name of the mother, and occupation of the father. If the child is illegitimate the name of the father shall not be stated, unless at the joint request in writing of both father and mother, which request shall be filed with the returns of births. The fee of the physicians or midwives shall be twenty-five cents for each birth so reported, and shall be paid by the city or town in which the report is made, upon presentation of a certificate from the city or town clerk, stating that said births have been reported in conformity with the requirements of this section. Any physician or midwife neglecting to report such list for ten days after it is due shall for each offence forfeit a sum not exceeding twenty-five dollars.

SECTION 6, CHAPTER 444, ACTS 1897

Sect. 6. Parents and Householdors shall within forty (40) days after the date of a birth occurring in his house give thereof or cause such notice to be given to the clerk of the city or town in which such child is born.

MILLARD F. CHARLES, Town Clerk.

DOGS LICENSED DURING YEAR 1922

Whole number of licenses issued	394	
59 Female licenses @ \$5.00	\$ 295.00	
334 Male Licenses @ \$2.00	668.00	
1 Kennel license @ \$50.00	50.00	
	<hr/>	
Total cash received	\$1013.00	
Less fees for 394 licenses	78.80	
	<hr/>	
Total due Country Treasurer		\$934.20
Paid County Treasurer June 1, 1922	638.40	
Paid County Treasurer Dec. 1, 1922	295.80	
	<hr/>	
Total paid County Treasurer		\$934.20

MILLARD F. CHARLES, Town Clerk.

FISHING AND HUNTING LICENSES ISSUED FOR YEAR 1922

1 Alien Hunting and Fishing license	\$ 15.00	
1 Non-resident Fishing license	2.00	
98 Hunting and Fishing Licenses @ \$2.00	196.00	
112 Fishing licenses @ \$1.00	112.00	
100 Hunting and Trapping licenses @ \$1.50	150.00	
37 Trapper licenses @ 25 cents	9.25	
349 Licenses issued	\$ 484.25	
Less fees 15 cents each license	52.35	
	<hr/>	
Total paid Fisheries and Game Commission		\$431.90
1922		
April 5, cash	\$ 75.50	
May 8, cash	31.10	
June 6, cash	47.70	
July 6, cash	34.05	
Aug. 11, cash	21.85	
Sept. 5, cash	18.10	
Oct. 19, cash	68.25	
Nov. 6, cash	105.50	
Dec. 5, cash	20.20	
1920		
Jan. 2, cash	9.65	
	<hr/>	
Total		\$431.90

MILLARD F. CHARLES, Town Clerk.

BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1922

Date	Name	Parents
Jan.		
1	Francis D. Sawyer	William W. and Mary
1	Robert Herbert Ryland	Herbert J. and Frances V.
2	Mary Elizabeth Castine	Simon A. and Marion
4	Patricia Remick	Nelson A. and Emily S.
6	James Henry Smith, Jr.	James H. and Sylvia A.
9	Vincent Dion	Alfred L. and Anna E.
18	Earl Martin Sargent	Ralph E. and Clara V.
20	Bernard David Doucette	David W. and Agnes C.
20	Marion Eleanor Gray	Frank R. and Ada M.
21	Anthony Christian Rose	John C. and Elizabeth G.
22	Francis Gordon Brennan	John G. and Sarah H.
22	Raymond Jerome Amirault	Raymond and Frances
26	Beatrice Catharine O'Donnell	Michael and Madeline Mary
30	Charles Albert Taylor, Jr.	Charles A. and Annie C.
31	June V. Wooldridge	Chester M. and Viola
Feb.		
1	Robert Evans Widtfeldt	George J. and Charlotte G.
2	Christine Mary Ellis	Louis A. and Beulah E.
4	Annie Rachael Arsenault	John R. and Mary M.
4	Esther Hickey	William J. and Elizabeth
7	Edward Gerald Brooks	George D. and Aline S.
11	Elinor Augusta Dow	Clarence L. and Joanna N.
12	Edward Burton Keen, Jr.	Edward B. and Abbie
12	Hazel Louise Smith	Clarence M. B. and Elizabeth
13	Mary Bernardine Conefy	Bernard W. and Mary A.
13	Leonard Harrington	Russell and Eleanor F.
16	Mary Folsom	Robert M. and Hattie F.
17	Robert Eugene Holden	Walter R. and Annie M.
24	Spencer Mortimer Williams	Theodore R. and Annabel L.
Mar.		
13	Esther May Moss	Frank A. and Eva M.
14	Richard Leonard Robbins	William and Jennie
15	Glenna Elizabeth Ames	John F. and Ruth E.
17	Pearl Virginia Gaffney	John E. and Helga I.
22	Ruth Virginia Pollitz	Otto F. F. and Flora M.
23	Alice Anna Gorey	Edward H. and Mary E.
26	Shirley Dixon Lumsden	Blin W. and Mildred
26	Mary Helen Robbins	George A. and Alma
27	Katherine Frotten	Fred A. and Frances P.

BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1922

Date	Name	Parents
Apr.		
1	William Franklin Campbell, Jr.	William F. and Faith L.
1	Helen Mary Connelly	William A. and Katherine M.
5	Stephen Kimball Heselton	Ralph F. and Harriet M.
5	Lois Cromwell Knapp	Arthur C. and Eva C.
7	William C. Pook	Charles A. and Mildred J.
12	Elizabeth Mary Merrill	Frank M. and Marie M.
14	John Joseph Fitzpatrick	Philip W. and Elizabeth A.
16	Margaret Lillian Gaudette	Edward J. and Mary F.
16	June Phyllis Stolz	Albert S. and Nora V.
17	Gordon Thomas White	Thomas and Rose Marie
19	John Robert Anderson	Howard E. and Hazel A.
25	Jean Elizabeth Walsh	David J. and Elizabeth F.
May		
3	Salvatore Alpedo	Guiseppe and Providencia
3	Jean Marie Nichols	Leonard G. and Mary G.
4	Charlotte Minerva Dodge	Harry L. and Annie M.
6	John Sherman Greenleaf	Emmet F. and Mabel E.
8	Richard Davis Sears	John H. and Ada E.
10	Albert Wesley Barthelmes	Albert W. and Irma F.
10	Franklin Hardy Bryant	Forest H. and Edith M.
11	Rena Frances Doucette	Eddie and Marion M.
11	Mary Mahar	Frank and Mary F.
12	Clifford Preston Nichols	Elmer B. and Rena F.
11	Herman Younghans	Emil and Sarah J.
19	Helen Claire Wescott	Joseph H. and Helen E.
20	Agnes Amanda Sears	George L. and Amanda S.
20	Eva Mildred Doucette	Norman J. and Eva D.
June		
4	John Duncan Hilchey	Duncan L. and Dorothy T.
5	Gordon Abbott	George W. and Cora L.
6	Priscilla Veazie	Harold K. and Bernice L.
6	John Raymond Weston	Nelson R. and Helen E.
8	Dorothy Leach	William M. and Florence T.
8	Ralph Thomas Muse	Dennis L. and Rose D.
9	Doris Heselton	Carl D. and Mary J.
11	Kenneth Earle Gaw	William and Ella W.
12	Theo Luna Farr	Merle W. and Edna G.
17	Horace Eaton Luscomb	George H. and Florence E.
19	Pauline Erna Gray	Robert E. and Bertha P.

BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1922

Date	Name	Parents
20	Wendell Moore Farrow	Harold A. and Myrtle M.
25	Richard James Snyder	Myer and Mabel C.
26	Dorothy Eileen Lewis	Charles E. and Ruth W.
27	Dorothy Virginia Hoyt	Earl W. and Grace C.
28	Vernard Porter	Carlyle and Ethel K.
29	Aram Albert Tarpinian	Leon T. and Sarah M.
July		
1	Raymond Lloyd King	Chester R. and Almira W.
2	Olive Mae Stimpson	James M. and Charlotte M.
14	Harold Joseph Doucette	Eli and Mary M.
15	Wendell Phillips Stickland	John and Alice B.
16	Helen May McConney	Frank M. P. and Catherine W.
17	Tood Davis Crooker	Elmer P., Jr., and Ethel H.
19	Harry Augustus Whitton	James F. and Agnes H.
19	John Walter Doucette	Frank A. and Mary C.
19	Charles Nelson Nickerson, Jr.	Charles N. and Elizabeth H.
20	Bernardine Marie Hazelton	Albert G. and Lucinda S.
24	Jeanette Callan	Arthur B. and Hermie S.
25	Mildred Alice Doucette	Jeremiah and Florence D.
26	Phyllis Anna Downs	Edward F. and Phyllis C.
28	Marjorie Tucker Jewett	Harold B. and Mary T.
29	Elizabeth Lloyd Blaikie	Robert C. and Ethelyn H.
29	Edson Irving Gray	Frank E. and Catherine
30	Richard Hartshorn Merritt	Fred E. and Helen B.
Aug.		
3	Gerald Francis Cronin	Jeremiah J. and Agnes C.
8	Charles Leigh Webster	Leigh H. and Alice L.
10	Francis Reginald Fisher, Jr.	Francis R. and Edith W.
10	Catherine Elizabeth Tebeau	Frank A. and Delia D.
14	Franklin Joseph Lefave	J. Reuben and Eileen M.
17	Alma Gladys Mansfield	John E. and Bessie S.
19	Gladys May White	Allie J. and Mary W.
26	Willard Fielding Perkins	Dana F. and Jennie R.
27	James Alden Russell	James H. and Eva M.
27	Ruth Warner Hoyt	Carl H. and Florence D.
27	Lee Almont Stewart	Carl E. and Elizabeth
30	Joan Wallace	J. M. Power and Lois
Sept.		
1	Virginia S. Trask	Warren and Sarah A.
1	Richard Earle Stratton	Charles P. and Ruth L.

BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1922

Date	Name	Parents
2	Margaret Carney	Bartholemew and Mary C.
5		
8	Mary Irene Muse	Dennis R. and Irene D.
11	Helen Bangs	Gerald W. and Beatrice N.
12	Richard Francis Lawler	James H. and Elizabeth R.
13	Nettie Cora Pritchard	Aaron F. and Violet P.
17	Doris Elva Boyce	Joseph R. and Lillian G.
18	Elizabeth Jane Coan	Donald W. and Edna C.
20	Harvey Joseph Blanchette, Jr.	Harvey J. and Abbie H.
24	Dorothea Jean Pixler	Wellington C. and Nathalie V.
27	Williams	Ralph and Frances W.

Oct.

5	Octavia Stella Zwicker	Rex J. and Stella L.
6	Audrey Elizabeth Humphrey	George A. and Fleda B.
7	Everett Wilson Brown	Everett W. and Helen M.
7	Marguerite Virginia Lane	Melvin C. and Evelyn S.
7	Francis Patrick Doucette	Francis P. and Ruth B.
7	Eleanor Frances Queen	Harry W. and Mary W.
13	Richard Charles Austin	Irving C. and Thelma J.
14	Nancy Rundlett Goodell	David H. and Grace H.
16	Henry Hamilton Allport, Jr.	Hamilton and Gile D.
23	Richard Harvey Lewis	Herbert W. and Harriet R.
23	Joseph Clark Nyman	Joseph M. and Madeline C.
29	Allie Jessie Benton	Albion M. and Bertha P.
30	Frederick Wilbur Cail	Wilbur S. and Margaret R.

Nov.

1	Jeanette Anna Muse	John H. and Mary L.
1	Esther Mary Frotten	Frederick and Mary D.
3	Adrian Richard White	Adrian R. and Mary H.
5	Howard James Murphy, Jr.	Howard J. and Mary R.
6	Richard Everett Florence	William E. and Edith B.
8	Eileen Lucy Peters	Joseph L. and Marie
14	Jeanette Grace Sargent	Carl N. and Grace B.
16	Marjorie Wentworth	Grafton E. and Marion F.
18	Nancy Gibbons	Walter S. and Madeline H.
19	Edith Georgine Arsenault	Joseph and Mary M.
21	Henry Ernest Hubbard	Simon D. and Delie D.
21	William James McCarthy	John J. and Katherine P.
29	Robert Dexter Jones	Elmer D. and Flora E.

BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1922

Date	Name	Parents
Dec.		
1	Mary Agnes White	Joshua H. and Sarah A.
5	Flora Ann Files	Myron I. and Esther B.
8	Dorothy Parker	Robert E. and Edith I.
9	Betty Gould	Chester F. and Nellie V.
17	Florence Ruth Munnis	George H. and Elsie M.
18		
21	George Stanislaus Lefave	Albert J. and Marie L.
27	Mary Virginia Graves	Percy M. and Hilda C.
28	John Edward Frotten	John R. and Frances C.
28	Jean Elizabeth Lynch	David A. and Theresa Elizabeth
31	James Francis Carroll, Jr.	James F. and Catherine M.

OMISSIONS AND CORRECTIONS FOR OTHER YEARS

Date	Name	Parents
1904		
Oct.		
22	Edna Mae Craggs	Edgar J. and Mary D.

MARRIAGES REGISTERED IN TOWN OF READING FOR YEAR 1922

Date	Names	Age	Occupation	Residence
Jan.				
7	Frank Marshall Parker			
	MacConney	23	Brakeman	Reading
	Catherine May Wallace	20	Bookkeeper	Wakefield
18	John Justin Quinlan	30	Postal Clerk	Reading
	Mary Elizabeth Devaney	26	Stenographer	Reading
19	George A. Crittendon	45	Retired	Reading
	Genevieve Forbes	32	Singer	Reading
22	Eli Doucette	23	Millhand	Reading
	Mary Muse	20	Domestic	Lynn
22	Stuart Phippen	20	Laborer	Newton
	Sarah Elizabeth Williams	19	Housework	Reading
26	George Irville Lampro	26	Shoemaker	Reading
	Fernande Olgo Derick	22	Sewer	Woonsocket, R. I.
Feb.				
1	Walter Johnson Anderson	25	Electrician	Reading
	Lena Frances Kenney	39	Housewife	Reading
4	Homer M. Hook	26	U. S. Navy	Reading
	Alma E. Reid	24	At Home	Danvers
11	Oscar Mudgett	33	Watchmaker	Waltham
	Faith Fernald	21	At Home	Reading
20	Alfred Edwin Shaffer	40	Auditor	Reading
	Amy Gladding Luther	29	Physician	Cambridge
23	Gerald W. Bangs	20	Pharmacist	Reading
	Beatrice Nealley	18	Clerk	Reading
25	Martin Radulski	56	Carpenter	Reading
	Lena Wendell	38	At Home	Reading
25	Herbert Lauder Robertson	28	Carpenter	Reading
	Annie Laura Evans	30	Stenographer	Dorchester
Mar.				
11	James E. Day	27	Accountant	Reading
	Charlotte A. Dow	26	Tel. Operator	Wakefield
25	Clifton Staniford Nichols	23	Div. Pymstrs. Asst.	
			B. & M. R. R.	Reading
	Margaret Moulton	26	Stenographer	Melrose
Apr.				
8	Thomas Edward Webb	34	Experimental Machinist	Reading
	Ethel F. Baker	28	At Home	Malden
16	Wilfred John Racine	30	Paper Worker	Attleboro
	Mary Louise Gauthier	18	Rubber Worker	Reading

MARRIAGES REGISTERED IN TOWN OF READING FOR YEAR 1922

Date	Names	Age	Occupation	Residence
16	Frank Thomas Smith	39	Millhand	Reading
	Julia Mary Doucette	18	Housework	Reading
20	Paul Joseph Geary	21	Rubber Worker	Reading
	Catherine Frances Surette	18	At Home	Reading
26	Joseph Raymond Clements	24	Glass Grinder	Reading
	Beatrice Lucelia Maloney	24	Stenographer	West Newton
26	Peter J. Flynn	36	Mach. Helper	Reading
	Margaret Gilbride	35	Housework	Reading
29	Eric R. Sturges	23	Clerk	Melrose
	Lillian B. Barnes	18	At Home	Melrose
May				
25	Donald Chase Robinson	28	Organ Pipe Worker	Reading
	Elizabeth Wroughton Held	27	Shoe Worker	Lynn, Mass.
29	Julius Leo Burke	22	Fisherman	Reading
	Annie Lavina Porter	23	Housework	Reading
June				
3	William Henry Lee	28	Auto Mechanic	Reading
	Mildred Elizabeth Cooper	20	Clerk	Reading
7	John Francis Maguire	29	Salesman	Reading
	Margaret S. Riley	33	Operator	Reading
8	Viranas Cobb	27	Painter	Lincoln
	Mabel Girard	24	Housework	Reading
10	Ralph Goward Babcock	27	Public Accountant	Reading
	Mildred Graham Robinson	28	Asst. Art Editor	Reading
14	George A. Melanson	24	Painter	Reading
	Lillian Melanson	23	At Home	Reading
23	Harry Darling	25	Shoemaker	Reading
	Helen Pierpont	18	Bookkeeper	Reading
25	Wilbur S. Cail	26	Sub. Mail Carrier	Reading
	Margaret Regan	20	Milliner	Reading
26	Harry Upson Camp	26	Insurance	Reading
	Adra Cordelia Powers	22	Teacher	Worcester
26	John Renaud	25	Painter	Lawrence
	Margaret Annie Richards	21	Clerk	Reading
26	Walter Leander Rowell	22	Pay Clerk	Reading
	Mabel Louise Teachout	22	Teacher	So. Lancaster
28	Joseph Francis Quinlan	33	Foreman	Reading
	Ethel Julia Squires	25	At Home	Reading
July				
2	James Wakefield Roberts	49	At Home	Reading
	Marie J. Ward	33	Graduate Nurse	Reading

MARRIAGES REGISTERED IN TOWN OF READING FOR YEAR 1922

Date	Names	Age	Occupation	Residence
15	Forest Sumner Claggett	40	Locomotive Fireman	Reading
	Margaret Ann Frost	41	Milliner	Reading
23	George Edgar Dulong	32	Chef	Reading
	Sadie M. Saunders	26	Mill Operator	Cambridge
26	James Lawrence Geary	28	Insurance	Reading
	Catherine Jeanette Pheney	23	Stenographer	Melrose Hlds.
30	John W. Turner	26	Mechanic	No. Reading
	Mary E. Turner	22	Salesgirl	Reading
30	Newcomb Winer	21	Chauffeur	Pembroke
	Dorothy Mae Hindon	19	Waitress	Medford
Aug.				
9	Frank E. Owen	22	Foreman	Reading
	Louise Frances Wedge	17	Shoe Worker	No. Reading
21	James Henry Gambon	23	Auto Parts Mgr.	Jamaica Plain
	Agnes Margaret Wichland	24	Billing Clerk	Reading
26	Wilfred L. Porter	17	Carpenter	Reading
	Catherine A. Clements	19	Stitcher	Reading
31	John J. Irving	34	Student	Dorchester
	Gladys Aline Lord	29	At Home	Reading
Sept.				
6	Fred Churchill Hines	25	R. R. Fireman	Reading
	Helen Frances Sullivan	24	At Home	Reading
7	Charles Edward Tasney	21	Clerk	Reading
	Florence Evelyn Castine	18	At Home	Reading
8	Frank Fullerton Savage	35	Cost Accountant	Reading
	Alice Train Brown	37	Social Worker	Milton
9	Robert Henry Hodson	37	House Decorator	Reading
	Clara Mabel Hale	27	Bookkeeper	Reading
11	Harold B. Currell	26	Contractor	Reading
	Gertrude M. Downing	26	Telephone Operator	Wilmington
16	Earl W. Adams	29	Clerk	Boston
	Marion A. Perry	34	Teacher	Reading
20	Harry Cameron Barr	39	Merchant	Reading
	Alice Gertrude Newton	32	Secretary	Boston
25	Frederick A. Fyfe	29	Provision Dealer	Reading
	Helen Y. Cochran	26	Bookkeeper	Dorchester
30	August Girsten MacLeod	28	Saleman	Reading
	Gladys Harriman	22	At Home	Wilmington
Oct.				
1	Thomas Francis Hurton	23	Machinist	Wakefield
	Emma Mary Boudreau	21	Stitcher	Reading

MARRIAGES REGISTERED IN TOWN OF READING FOR YEAR 1922

Date	Names	Age	Occupation	Residence
1	Albert J. Doucette	26	Fireman	Reading
	Delia A. Gibbons	26	At Home	Reading
3	Harold Tilton Keith	24	Marine	Portsmouth
	Alice May Murphy	21	At Home	Reading
8	Frank Winslow Cobleigh	23	Lineman	Natick
	Mary Elizabeth Abbott	22	Bookkeeper	Magnolia
8	Roland Samuel Cummings	21	Electrician	Reading
	Stella Ellen Bryant	18	At Home	Burlington, Vt.
14	Walter F. Marston	38	Shoe Worker	No. Reading
	Hazle V. Bailey	23	At Home	No. Reading
14	Hugo Horace Marchetti	20	Civil Engineer	Reading
	Helen Josephine Williams	19	At Home	Reading
28	Harold Eaton White	28	Asst. Mech. Engr.	Reading
	Helen Elizabeth Wheelock	31	At Home	Milton
29	Roy L. Sherrod	21	Laborer	Reading
	Florence M. Muise	18	At Home	Reading
Nov.				
1	Cornelius Williams Stryke	32	Farmer	Woburn
	Kathryn O. Halloran	29	Seamstress	Reading
2	Clarence M. Mixer	32	Salesman	Somerville
	Julia M. Hedges	38	At Home	Reading
3	George Edward Thorburn	27	Mechanic	Reading
	Esther Davis	26	Bookkeeper	Reading
8	William Edward Edmonds	20	Chauffeur	Gloucester
	Lorna Beatrice Hestell Enever	18	At Home	Gloucester
8	William Allen Rich	31	Jewelry Salesman	Melrose
	Eva Isadora Kelch	21	At Home	Reading
11	Harry Edward Smith	35	Landscape Gardener	Reading
	Evelyn Marie Conway	27	At Home	Wakefield
13	George Chapman Bosson	35	Master Mariner	Reading
	Mildred Hulsman Howe	28	Artist	Malden
15	Philip A. Damon	24	Credit Manager	Reading
	Annie Ruth Van Buren	26	At Home	Stoneham
15	Dwight H. Thomas	22	Salesman	Reading
	Irene H. Merrill	21	Clerk	West Roxbury
19	John Joseph Carney	27	Expressman	Reading
	Christina Dougan	24	Domestic	Reading
19	Sidney Irving Storey	20	Inspector	Reading
	Mary Ellen Buxton	18	Clerk	Reading
22	Arthur Vacon	22	Rattan Worker	Reading
	Catherine Morris	18	Shoe Worker	Reading

MARRIAGES REGISTERED IN TOWN OF READING FOR YEAR 1922

Date	Names	Age	Occupation	Residence
25	Augustine Paul Cummings	33	Laborer	Reading
	Anna Malone Downs	25	Cook	Reading
25	Charles E. Johnson	29	Teamster	Reading
	Florence M. Fowler	35	Housekeeper	Arlington
29	Joseph Edward Babine	21	Carpenter	Reading
	Rose Doucette	20	Shoe Worker	Reading
29	James Voughn Whittie	26	Moulder	Woburn
	Mary Della White	28	Shoe Worker	Reading
30	Charles Irving Nesmith, Jr.	32	Farmer	Reading
	Edith Mattson	27	Housekeeper	Reading
Dec.				
21	Walter R. McCoy	24	Farmer	Reading
	Lillian Ryder	24	Housework	Reading
25	Patrick Joseph Spillane	22	Bookkeeper	Reading
	Alma Brouillard	19	Stitcher	Andover
25	Norman Page Charles	24	Clerk	Reading
	Esther Loring Damon	21	At Home	Braintree
31	George E. Hatfield	26	Shoemaker	Wakefield
	Helen Hastings Watters	23	Shoe Worker	Reading

DEATHS REGISTERED IN TOWN OF READING FOR YEAR 1922

Date	Name	Y	M	D	Cause of Death
May 4, 1918					
	Charles G. Fyfe	22	6	20	Diarrhoea
Nov. 12, 1921					
	Flora Hutchinson	54	3	14	Brain Abscess
Aug. 15, 1921					
	Walter Fraser	20	—	—	Automobile Accident
Jan.					
1					
7	Clarentine F. Flint	76	4	1	Heart Disease
8	Emily Spencer	90	11	29	Arterio Sclerosis
9	Joseph Theodore Amerault	0	0	14	Premature Birth
9	Charles H. Hill	78	6	11	Arterio Sclerosis
14	Ida M. Boyd	63	3	21	Cerebral Hemorrhage
18	William E. Swain	60	9	0	Myocarditis
24	Helen A. Manoli	0	2	30	Broncho Pneumonia
28	Wilmot Kirk Pratt	79	1	7	Bronchitis
Feb.					
3	Robert H. Ryland	83	1	21	Heart Disease
4	Leander W. Dickey	69	7	13	Gangrene of Foot
5	Francis D. Sawyer	0	1	5	Pneumonia
5	Robert Getty	81	2	10	Hemorrhage
9	Caroline E. Nichols	89	6	11	Old Age
12	Hiram P. Hubbard	61	9	18	Chronic Nephritis
14	Sarah M. Alford	87	11	9	Heart Disease
16	Norman L. Doucette	1	1	10	Pneumonia
17	Charlotte Evans Widtfeldt	28	0	17	Salpingitis
18	Fannie A. Myers	61	9	24	Automobile Accident
20	Andrew Lefave	78	1	14	Bronchitis
22	Charles S. Jackson	62	7	0	Pneumonia
23	Addie M. Whittemore	87	0	8	Arterio Sclerosis
March					
5	Mary P. Blabon	69	8	1	Nephritis
7	Selena May Lester	34	11	28	Carcinoma
7	Lula S. Underhill	38	2	19	Carcinoma
15	Paul Doucette	0	6	12	Pneumonia
17	Herman C. Skinner	49	1	17	Arterio Sclerosis
18	Dominic LeClair	63	1	10	Intestinal Obstruction
18	Grace F. Camp	49	7	19	Carcinoma
21	Barbara L. Zwicker	6	5	15	Meningitis
23	Frank Arthur Carnes	61	7	25	Pneumonia

DEATHS REGISTERED IN TOWN OF READING FOR YEAR 1922

Date	Name	Y	M	D	Cause of Death
23	Eileen M. Miller	27	2	22	Tuberculosis
30	Mary F. Russell	44	0	18	Pneumonia
April					
2	William H. Moore	47	8	27	Hemorrhage
7	Frances H. Pearson	76	3	26	Paralysis
9	Eliza E. Varrill	89	9	2	Congestion of Lungs
13	Clifton S. Sparks	62	6	25	Arterio Sclerosis
14	Herbert E. Knapp	43	8	17	Stenosis
16	Ellen Russell	88	3	13	Senility
24	William J. Ayer	59	0	2	Apoplexy
May					
3	Ellen Murray	86	6	0	Hemorrhage
8	Joseph Maguire, Jr.	1	6	5	Peritonitis
14	James E. Amerault	0	4	18	Pneumonia
18	Paul J. White	0	5	0	Syphilis
25	Lovilla L. Person	81	5	9	Cancer
27	James H. Carleton	83	8	11	Hemorrhage
June					
1	Eric Matson	2	0	26	Obstruction of Liver
1	Clifford P. Nichols	0	0	20	Premature Birth
6	Fanny L. Lavery	61	0	0	Myocarditis
11	Catherine Bolton	51	6	21	Myocarditis
14	Edward J. Meuse	37	0	15	Typhoid Fever
21	Mary F. Haskell	82	2	6	Myocarditis
22	Richard Robbins	0	3	7	Whooping Cough
24	Frank Castine	81	0	0	Asthma
28	Dorothy I. Lewis	0	0	3	Malformation of Heart
July					
3	Mary Stimson	0	0	1	Malformation of Heart
6	Clifton G. Rafuse	15	4	3	Accidental Drowning
11	Eugene A. Fleming	48	0	0	Paralysis
18	Anna B. Wright	69	9	13	Carcinoma
19	Clara Gowing	90	1	27	Diarrhoea
23	Joseph A. Gomes	72	9	20	Heart Disease
August					
2	Bartholomew Foley	84	—	—	Nephritis
5	Anna M. Cahill	16	6	—	Automobile Accident
6	Melvin C. Skinner	56	—	21	Hemorrhage
7	Mary J. I. Marron	74	7	4	Carcinoma
10	Jane C. Stevens	74	6	19	Hemorrhage

DEATHS REGISTERED IN TOWN OF READING FOR YEAR 1922

Date	Name	Y	M	D	Cause of Death
15	Henry B. Mayo	63	—	2	Apoplexy
15	David A. Gardner	31	2	1	Automobile Accident
15	William M. Wood, Jr.	30	6	8	Automobile Accident
23	Madeline Muise	—	9	29	Peritonitis
Sept.					
4	Catherine Fitzpatrick	10	5	14	Peritonitis
7	Edna S. Parker	75	10	13	Hemorrhage
8	Edward B. Drake	68	10	10	Anaemia
17	Edward J. Chadbourne	74	11	17	Cystitis
18	Wendell B. Stickland	—	2	3	Nephritis
19	Emma L. Creesy	65	4	14	Endocarditis
21	Frances B. Tucker	63	10	5	Hemorrhage
30	Edward B. Dickie	8	8	20	Automobile Accident
Oct.					
1	Winnifred M. Hanna	45	2	10	Tuberculosis
2	Charles W. Smith	61	3	29	Myocarditis
7	Deborah W. Cottle	85	2	25	Carcinoma
16	Elma J. Henfield	77	1	—	Apoplexy
31	Francis P. Remick	74	2	8	Carcinoma
Nov.					
5	Lorenzo P. Whitney	81	5	15	Nephritis
6	William H. Hathaway	41	8	3	Suicide by Hanging
15	Rosioro Spinella	61	7	25	Arterio Sclerosis
15	Corinthia L. Park	48	10	29	Heart Disease
17	Margaret Carr	45	—	13	Carcinoma
18	Hattie E. Hill	49	2	26	Cancer
18	Margaret Carney	—	2	16	Malformation
21	Ida M. Quigley	51	2	5	Myocarditis
26	Clifford E. Larson	16	1	24	Pneumonia
29	David Weston	77	3	16	Nephritis
29	Onissey V. Bennett	46	3	19	Pneumonia
Dec.					
6	Charles F. M. Winship	39	8	8	Meningitis
7	Isabel M. LeFave	0	3	2	Bronchitis
7	Maria V. Dolimount	44	3	5	Pneumonia
9					
11	Francis E. Mellen	57	8	29	Cerebral Hemorrhage
18	Catherine Bliss Langdon	81	6	8	Old Age
20	Ida Kimball	70	9	26	Carcinoma
28	Maria A. Cotton	82	8	10	Carcinoma
31	June A. Reynolds	0	3	6	Malnutrition

SECOND ANNUAL REPORT BOARD OF PUBLIC WORKS

The following detailed reports of our Superintendent, covering activities of various departments consolidated under the authority of this Board, clearly set forth the activities of the year.

The Board feels that substantial economies have been effected as a result of the consolidation of the Water, Street and Sewer Departments, and that if the policies adopted by the Board are adhered to in future years, substantial progress will in time be noted, particularly in the improvement of streets and side walks and the development of drainage.

As noted in the Superintendent's report, drainage plans will be available in the early part of 1923 and this important subject can then be given more intelligent consideration as specific problems arise. We desire to point out, however, that this preparation of plans is only a beginning and that it is only as a result of many years of work and substantial expenditures that the trying conditions as to drainage, prevailing in several parts of the Town can be remedied.

Progress in street improvement with the limited funds which we feel it proper to ask the Town to raise by taxation, is necessarily slow. We believe, however, that by adhering to our present program the streets as a whole will be kept in reasonably good condition throughout the summer months and that each year some sections of semi-permanent construction can be added.

It is only by the exercise of patience and persistently adhering to such a program through a series of years that perceptible improvement in conditions will be noted and we believe that the only alternative to such a program is the annual expenditure of sums so large as to have a seriously adverse effect upon the tax rate.

Attention is particularly called to the Superintendent's report covering the Sewer Department. The Sewer is now in successful operation but is not being utilized by abutters as it **should** be, only about twenty-five per cent (25%) of those to whom it is available having applied for connections. The results are particularly adverse in two respects: **First**, they deprive the Sewer Department of revenue which it should rightfully derive from expenditures already made; **second**, the failure to utilize to the volume for which it was designed, reduces the flow in main sewers to such a degree as to increase the tendency to fill, and consequently it increases the cost of maintenance as cleaning will be required. The remedy for this situation is in the hands, not of

the Board of Public Works, but those of the citizens. The Town voted to construct a sewer and the citizens as a whole must pay the cost of construction and maintenance. We believe that it is a duty required of those to whom the sewer is available to enter the same, such duty being demanded in support of a project which is for the benefit of the community as a whole and for the improvement of general sanitation.

The efforts of this Board are directed to two main objects: First, to improve the conditions in the Departments under its control; and second, to reduce the expenses of such Departments in so far as such reduction is consistent with the improvements so obviously necessary. The careful thought and the best judgment of the Board is devoted to these ends and it is upon this basis that we ask the support of our recommendations by the citizens, with the firm belief that if such support is given, a period of say five (5) years will show sufficient progress to justify the consolidation of Departments and the consistent expenditures for Street Department work which the Board so strongly advocates.

Respectfully submitted,

FREDERICK W. ALLEN,
GEORGE H. CLOUGH, Chairman
JOHN W. OWEN,
CHARLES VAN STONE,
CLARENCE C. WHITE, Secretary,
Board of Public Works.

SUPERINTENDENT'S REPORT

December 31st, 1922.

To the Board of Public Works:

Gentlemen: As required by Section 4, Chapter 118, of an Act authorizing the Town of Reading to establish a Board of Public Works, I most respectfully submit for your consideration, the second annual report of the Department of Public Works: the Water, Highway, Sewer and Park, including a financial report of each department, and a chronicle of the principal work performed with recommendations for the coming year.

WATER DEPARTMENT

Office Maintenance.

Received:

Fines and summons	\$	76.43
-------------------------	----	-------

Expended:

Pay Roll	\$	870.39
Telephone		96.85
Office Supplies		344.80
Office improvements		114.47
Office repairs		12.02
Printing		358.36
Stamps		20.00
Vacations		635.23
Petty cash		200.00
Books and magazines		22.00
Collecting		80.00
Insurance		323.30
Miscellaneous		71.37
Balance		3,072.36
	\$	3,148.79
	\$	3,148.79

Pumping Station Maintenance.

Received:

For rent and sundries	\$	180.00
-----------------------------	----	--------

Expended:

Pay roll	\$	3,557.26
Coal		1,729.93
Oil, waste and packing		62.58
Phone		59.99

Light	12.34	
Freight and express	344.58	
General	75.66	
Tools	111.52	
Insurance	77.50	
Pumping Station Repairs	177.98	
Boilers, Repairs	165.15	
Pumps, Repairs	45.35	
Miscellaneous	37.56	
Painting	660.06	
Overtime Pumping Station	121.07	
Balance		7,058.53
		<hr/>
	\$ 7,238.53	\$ 7,238.53

Maintenance of Filters.

Expended:

Pay Roll	\$ 2,158.62	
Electric Power	301.08	
Alumina	1,253.09	
Lime	340.00	
Freight and Express	66.50	
Repairs	275.49	
Oil, Packing and Belting	31.41	
	<hr/>	\$ 4,426.19

Maintenance of Meters.

Expended:

Pay Roll	\$ 1,155.78	
Repairs	478.41	
Miscellaneous	3.76	
Freight and Express	23.53	
	<hr/>	\$ 1,661.48

Maintenance of Service Pipes.

Received:

For repair of maintenance	\$ 443.87
---------------------------------	-----------

Expended:

Pay Roll	\$ 882.63	
Tools	35.37	
Fittings	259.87	
Miscellaneous, General	12.75	
Freight and Express	24.10	
Balance		770.85
	<hr/>	<hr/>
	\$ 1,214.72	\$ 1,214.72

Maintenance of Main Pipes.

Expended:

Pay Roll	\$	24.96	
Fittings		50.19	
Freight and Express		3.42	
		<hr/>	\$ 78.57

Hydrants.

Expended:

Pay Roll	\$	77.50	
New Hydrants		219.51	
		<hr/>	\$ 297.01

Interest.

Paid interest on bonds	\$	3,942.50	
------------------------------	----	----------	--

Air Compressor Maintenance.

Electric Power	\$	1,447.10	
Repairs		9.32	
		<hr/>	\$ 1,456.42

Automobile Truck Maintenance.

Expended:

Pay Roll	\$	56.88	
Registration		6.00	
Oil and Gasoline		300.58	
Repairs		332.47	
Insurance		80.27	
		<hr/>	\$ 776.20

Shop Maintenance.

Expended:

Pay Roll	\$	175.06	
Municipal Light Board		9.71	
Coal		63.60	
Repairs .....		.29	
Miscellaneous		6.33	
		<hr/>	\$ 254.99

Bonds.

Bonds paid	\$	9,000.00	
------------------	----	----------	--

Main Pipe Construction.

Expended:

Materials	\$	229.23	
-----------------	----	--------	--

Service Pipe Construction.

Received for pipes laid	\$	641.11	
-------------------------------	----	--------	--

Expended:

Pay Roll	\$	1,417.02	
Freight and Express		35.93	
Materials		500.18	
Fittings		833.19	

Tools	146.12	
Sharpening Tools	45.30	
Refund	23.49	
Balance		2,360.12

\$ 3,001.23	\$ 3,001.23
-------------	-------------

Meters Construction.

Expended:

Meters	\$ 344.70	
Freight and Express	2.06	
		\$ 346.76

Summary of Receipts and Expenditures.

Cash balance from 1921	\$ 6,312.92
Rent of house and sundries	180.00
Fines and Summonses	74.80
Petty Cash	200.00
Service Pipe	1,084.98
Meter Rates	29,692.10
Hydrant Rent	6,060.00
Water for Drinking Fountains	100.00
Credit on General Maintenance	1.63

\$ 43,706.43

Paid Maintenance	\$ 3,148.79
Pumping Station Maintenance	7,238.53
Filter Maintenance	4,426.19
Meter Maintenance	1,661.48
Service Pipe Maintenance	1,214.72
Main Pipe Maintenance	78.57
Bonds	9,000.00
Interest	3,942.50
Air Compressor Maintenance	1,456.42
Automobile Maintenance	776.20
Shop Maintenance	254.99
Main Pipes	229.23
Service Pipes	3,001.23
Meters	346.76
Hydrants	297.01
Cash on hand	6,633.81

\$ 43,706.43	\$ 43,706.43
--------------	--------------

Cost of Plant.

Reported past years	\$403,009.88
Service pipe	3,874.23
	<hr/>
	\$406,884.11

The Superintendent recommends that \$6,060.00 be raised and appropriated for hydrant rental; that \$100.00 be raised and appropriated for water and drinking fountains.

The interest for the year 1923 on serial bonds amounts to \$3,462.50, as follows:

June 1st, 1923, \$69,000. bonds for six months at 4%	\$ 1,380.00
June 1st, 1923, \$21,000. bonds for six months at 4½ %	472.50
Dec. 1st, 1923, \$58,000. bonds for six months at 4%	1,160.00
Dec. 1st, 1923, \$20,000. bonds for six months at 4½%	450.00
	<hr/>
	\$ 3,462.50

There are \$11,000 in bonds at 4 per cent and a \$1,000. bond at 4½ per cent which will be paid in 1923.

FINANCIAL STATISTICS

RECEIPTS		EXPENDITURES	
Balance brought forward from 1921	\$ 6,312.92	Water Works Maintenance:	
From Water Rates:		Total maintenance	\$20,255.89
Meter rates	\$29,692.10	Interest on bonds	3,942.50
Total from consumers	29,692.10		\$ 24,198.39
For fountains	\$100.00	Payment of bonds	9,000.00
For hydrants	6,060.00	Water Works Construction:	
Total from Municipal departments	6,160.00	Extension of mains	229.23
Rents, interest, etc.	456.43	Extension of services	3,001.23
Service pipes	1,084.98	Extension of meters	346.76
		New Supply Hydrants	297.01
		Total construction	3,874.23
		Balance	6,633.81
			\$ 43,706.43
			\$ 43,706.43

REGISTRATION REPORT

Amount of bills rendered in 1922 (metered water)		\$ 29,777.69
Amount collected and paid Treasurer	\$ 29,645.21	
Amount uncollected	71.85	
Amount abated	60.63	
	<hr/>	<hr/>
	\$ 29,777.69	\$ 29,777.69
Amount of (metered water) bills of previous years uncollected		\$ 1,004.22
Amount collected and paid Treasurer	\$ 46.89	
Amount uncollected	516.28	
Amount abated	441.05	
	<hr/>	<hr/>
	\$ 1,004.22	\$ 1,004.22
Amount of service pipe construction bills rendered in 1922		\$ 668.52
Amount of bills of previous years uncollected		21.37
Amount collected and paid Treasurer	\$ 641.11	
Amount uncollected	48.78	
	<hr/>	<hr/>
	\$ 689.89	\$ 689.89
Amount of service pipe maintenance bills rendered in 1922		\$ 461.81
Amount of bills of previous years uncollected ..		18.69
Amount collected and paid Treasurer	\$ 443.87	
Amount uncollected	26.40	
Amount abated	10.23	
	<hr/>	<hr/>
	\$ 480.50	\$ 480.50

KINDS AND SIZES OF METERS IN USE

January 1, 1923

MAKE	SIZES						Total
	$\frac{5}{8}$ in.	$\frac{3}{4}$ in.	1 in.	1 $\frac{1}{4}$ in.	1 $\frac{1}{2}$ in.	2 in.	
Niagara.....	1					1	2
Gem.....	5						5
Keystone.....	1			8			9
Union.....	4		2		1	3	10
King.....	11						11
Thompson.....	11		1				12
Worthington.....	25	1				1	27
Columbia.....	30						30
Lambert.....	41		2				43
Gamon.....	26						26
Neptune.....	81						81
Crown.....	74	2	2		2	5	85
Hersey.....	187	4	11		7	2	211
Empire.....	249		3				252
Nash.....	970	9	11		5	2	997
Total.....	1716	16	32	8	15	14	1801

YEARLY RECORD OF PUMPING SERVICE

From Jan. 1, 1922, to Jan. 1, 1923

MONTH	No. Days	Hrs.	Min.	Gallons Pumped	Total Head	Pounds Coal	Gals. to Lbs Coal	Rain- fall
January.....	31	237	15	7,896,491	219	54,257	146	1.77
February.....	28	221	30	7,489,880	.....	46,374	162	2.72
March.....	31	251	30	7,835,730	.....	49,125	160	4.27
April.....	30	213	30	7,101,190	.....	44,818	158	1.37
May.....	31	256	45	8,607,573	.....	54,172	159	5.08
June.....	30	272	00	9,014,637	.....	56,610	159	11.27
July.....	31	245	45	8,788,116	.....	47,887	184	4.88
August.....	31	251	45	8,674,172	.....	49,187	176	3.29
September.....	30	232	30	8,030,011	.....	43,655	184	3.68
October.....	31	232	00	7,913,619	.....	44,970	176	2.73
November.....	30	219	00	7,158,001	.....	43,606	164	1.06
December.....	31	245	15	7,968,306	.....	56,296	141	3.12
Total.....	365	2878	45	96,477,676	219	590,957	164	45.24

RAINFALL

The average rainfall for Massachusetts as deduced by the State Dept. of Health from long continued observations in various parts of the state is 44.46 inches.

As may be seen, by a table in this report showing the amount of rainfall for the years 1900 to 1922 inclusively the average rainfall at the Reading Pumping Station is 41.37 inches. The rainfall this past year was 45.24 being an excess of .78 inches compared with the state observations, and (an excess of 3.87 inches for the pumping station). There was an excess of rainfall in the months of March, May, June, July, August, September, October, of 11.43 inches and a deficiency in the other months of 7.56 inches, comparing each month with an average rainfall between years 1900-1922 inclusively.

In the course of the studies of rainfall observations it may be said that the standard 8" rain gauge, one of which is installed at the Pumping Station, is the most reliable for such records in measuring the precipitation under various conditions. Measuring snow fall upon any prepared area is difficult in any case, and in many storms impracticable, where rain and snow are often mingled in the same storm. It is also difficult to measure the snowfall accurately in a rain gauge, both on account of the danger that in some exposures, some of the snow is likely to be blown out of the gauge, while on the other hand at times of high wind the precipitated dry snow is often blown into the air, and unless care is taken the reading of the depth of snow collected in the rain gauge may be enhanced thereby.

The greatest rainfall in any one day was on June 19th of 2.82 inches. The month of June this past year holds the heaviest rainfall record of 11.27 inches, next to this record is 9.90 inches on April 1904. The lightest rainfall in any month on record was in March 1915 with no rain at all.

The elevation of the Reading Pumping Station is approximately 80' above sea level.

TABLE SHOWING THE AMOUNT OF RAIN AND MELTED SNOW
FOR YEAR ENDING DEC. 31, 1922

Day of Month	January	February	March	April	May	June	July	August	September	October	November	December	Day of Month
1 ...		.40	.30	.33			T	.02	T				1
2 ...			.12			.27	.22	.06					2
3 ...	T				.03		.30	T	.05				3
4 ...	.20		.41		2.12	.30	.36	.09	.90			.15	4
5 ...		.04	.06		1.51	.02	.44				.01	.19	5
6 ...		.05					T		.31		.24		6
7 ...				.11	.07			.69		.99	.08	.17	7
8 ...	T							.0	.22		.12	.07	8
9 ...		.11				.01	.25			.19			9
10 ...						.01			.01	.42			10
11 ...	1.13	.11		.16		1.09			.03	.02		.08	11
12 ...		.16						.22	1.03			.05	12
13 ...							.24		.09				13
14 ...				.28				.01				.53	14
15 ...		.85		.26					1.26		.04		15
16 ...		.02		T				T				.29	16
17 ...				.15		.50				T		.63	17
18 ...	.05			T	1.21	2.18	1.83	.13					18
19 ...			.44	.03	.13	2.82		.23			T		19
20 ...	.20		.98			.02					.41		20
21 ...	.19	.27	.04		T	2.19					T		21
22 ...		.39				.27						.01	22
23 ...						.19	1.04	.01		.86	.10		23
24 ...						.25	.01			.01			24
25 ...						.40	.01	.0					25
26 ...		.24			.01			.41					26
27 ...		.08	.28			.24	.09	1.01			.05	.20	27
28 ...			.12			.05		.33				.71	28
29 ...						.45						.02	29
30 ...			.65									.02	30
31 ...			.87					T					31
Total	1.77	2.72	4.27	1.37	5.03	11.27	4 88	3.29	3 68	2.73	1.05	3.12	Total
T to D	1.77	4.49	8.76	10.13	15.21	26.48	31.36	34.65	38.33	41.06	42.11	45.23	T to D

CLARENCE E. CARTER

ASSOC. M. AM. SOC. O. E.

CIVIL ENGINEER

READING, MASS.

TELEPHONES

SURVEYING SEWERS
TOPOGRAPHY HIGHWAYS
HYDRAULICS MUNICIPAL

SUCCESSOR TO
JAMES A. BANCROFT

RAINFALL IN READING at Pumping Station

Month	1899	1900	1901	1902	1903	1904	1905
Jan	4.00	5.32	1.33	1.80	3.84	4.42	5.44
Feb	3.08	8.69	1.08	6.11	3.16	2.21	1.47
Mar	6.48	5.03	5.88	4.69	6.38	2.21	2.92
Apr	2.56	2.15	9.59	6.22	4.95	9.90	2.59
May	1.33	4.60	7.21	1.69	0.48	5.56	1.39
June	3.36	3.13	1.74	1.98	8.91	2.56	6.11
July	3.15	1.90	4.65	3.02	3.40	1.88	1.19
Aug	1.91	3.17	2.66	3.75	3.42	4.26	3.30
Sept	4.67	4.15	3.59	4.01	2.29	5.16	7.87
Oct	1.35	3.31	2.76	4.91	3.69	2.02	1.20
Nov	2.95	5.05	3.06	0.99	1.33	1.80	2.22
Dec	1.50	2.44	8.10	5.60	2.59	2.25	3.72

Total	36.34	48.94	51.56	44.77	44.44	42.23	59.42
Normal	45.10	45.36	45.54	45.54	45.53	45.49	45.34

Month	1906	1907	1908	1909	1910	1911	1912
Jan	2.60	3.97	3.07	4.17	4.54	2.25	2.68
Feb	2.53	2.10	4.28	5.33	3.14	2.94	2.42
Mar	6.48	2.04	2.72	3.57	1.58	3.12	5.04
Apr	2.84	3.21	1.71	3.95	2.32	1.89	4.05
May	5.14	2.89	4.00	1.97	1.19	0.67	5.73
June	2.63	3.80	1.58	2.14	4.36	3.43	0.29
July	5.88	3.58	3.09	3.49	1.98	4.79	6.44
Aug	4.18	1.33	4.07	2.75	2.61	3.80	2.02
Sept	1.36	7.90	0.86	3.74	2.45	2.94	3.02
Oct	2.38	3.36	3.56	1.23	1.48	2.91	1.45
Nov	3.31	6.83	1.10	4.06	4.30	4.14	3.10
Dec	3.08	3.60	2.66	3.60	1.92	5.37	4.80

Total	42.41	44.61	52.68	40.10	31.87	56.45	41.04
Normal	45.30	45.29	45.22	45.16	45.16	44.93	44.86

Month	1913	1914	1915	normal
Jan	2.48	3.34	3.34	3.74
Feb	2.64	3.65	3.65	3.61
Mar	4.51	4.09	4.09	3.93
Apr	3.76	6.32	6.32	3.58
May	3.45	2.76	2.76	3.72
June	0.93	1.44		3.27
July	1.68	2.34		3.77
Aug	3.48	2.78		4.25
Sept	3.66	0.23		3.50
Oct	7.56	1.51		3.82
Nov	2.13	2.92		3.02
Dec	3.24	3.69		3.67
Totals	59.52	35.07		
Normal	44.78	44.78		44.78

1870

1870

1870

1870

1870

1870

1870

1870

1870

1870

1870

RAIN FALL AT PUMPING STATION
1900—1922

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1900	5.32	8.69	5.03	2.15	4.60	3.13	1.90	3.17	4.15	3.31	5.05	2.44	48.94
1901	1.33	1.08	5.88	9.59	7.21	1.74	4.65	2.66	3.59	2.76	3.06	8.10	51.65
1902	1.80	6.11	4.69	6.22	1.69	1.98	3.02	3.75	4.01	4.91	0.99	5.60	44.77
1903	3.84	3.16	6.38	4.95	0.48	8.91	3.40	3.42	2.29	3.69	1.33	2.59	44.44
1904	4.42	2.21	2.21	9.90	3.56	2.56	1.88	4.26	5.16	2.02	1.80	2.25	42.23
1905	5.44	1.47	2.92	2.59	1.39	6.11	1.19	3.30	7.87	1.20	2.22	3.72	39.42
1906	2.60	2.53	6.48	2.84	5.14	2.63	5.88	4.18	1.36	2.38	3.31	3.08	42.41
1907	3.97	2.10	2.40	3.21	2.89	3.80	3.58	1.33	7.90	3.36	6.83	3.60	44.97
1908	3.07	4.28	2.72	1.71	4.00	1.58	3.09	4.07	0.86	3.56	1.10	2.66	52.70
1909	4.17	5.33	3.57	3.95	1.97	2.14	3.59	2.75	3.74	1.23	4.06	3.60	40.10
1910	4.54	3.14	1.58	2.32	1.19	4.36	1.98	2.61	2.45	1.48	4.30	1.92	31.87
1911	2.25	2.94	3.12	1.89	0.67	3.43	4.79	3.80	2.94	2.91	4.14	3.57	36.45
1912	2.68	2.42	5.04	4.05	5.73	0.29	6.44	2.02	3.02	1.45	3.10	4.80	41.04
1913	2.48	2.64	4.51	3.76	3.45	0.93	1.68	3.48	3.66	7.56	2.13	3.24	39.52
1914	3.34	3.65	4.09	6.32	2.76	1.44	2.34	2.78	0.23	1.51	2.92	3.69	35.07
1915	5.52	3.54	0.00	2.72	1.63	4.60	8.76	6.66	0.70	2.80	2.93	5.47	45.38
1916	1.22	5.37	3.37	5.14	4.59	5.86	3.13	2.30	3.11	1.01	1.94	2.91	39.95
1917	2.92	2.41	4.18	2.90	4.00	4.78	1.19	3.70	1.46	5.75	1.39	2.65	37.33
1918	3.08	3.02	2.02	4.10	0.85	3.04	2.99	2.81	8.37	1.02	2.24	2.18	36.02
1919	3.24	3.61	4.01	2.46	5.44	0.88	3.22	3.83	5.65	2.63	6.20	1.53	42.70
1920	2.75	6.46	4.21	5.75	3.27	5.24	1.94	2.02	4.27	1.16	4.67	4.82	40.56
1921	2.09	3.43	2.43	5.48	1.86	4.02	9.79	1.96	1.74	1.57	6.50	2.28	43.15
1922	1.77	2.72	4.27	1.37	5.08	11.27	4.88	3.29	3.68	2.73	1.06	3.12	45.24
Average	3.21	3.58	3.70	4.15	3.19	3.68	3.71	3.22	3.57	2.70	3.18	3.48	41.37

COMMONWEALTH OF MASSACHUSETTS—STATE DEPT. OF HEALTH

Water Analysis—(Parts in 100,000)

No.		Date of Collec- tion	APPEARANCE			Residue on Evaporation	AMMONIA		NITROGEN AS		Oxygen Consumed	Hardness	Iron	Remarks
			Turbidity	Sediment	Color		Free	Albu- min- oid Total	Chlorine	Ni- trates					Ni- trites
		1921												
161291	Nov. 21	Slight	Considerable	.90	10.40	.0164	.0112	1.08	.0160	.0000	2.7	.250	Filter Gallery	
161292	Nov. 21	Very slight	Very slight	.20	10.60	.0002	.0040	.90	.0140	.0003	6.7	.120	Filter Weir	
		1922												
162149	Jan. 23	Slight	Considerable	.53	9.90	.0146	.0082	.88	.0080	.0000	2.6	.190	Filter Gallery	
162221	Jan. 26	Very slight	None	.15	11.90	.0016	.0054	.84	.0120	.0002	7.6	.070	Filter Weir	
162996	Mch. 22	Slight	Considerable	.50	8.40	.0108	.0068	.98	.0050	.0000	2.6	.280	Filter Gallery	
162997	Mch. 22	Very slight	None	.20	4.90	.0010	.0042	.70	.0070	.0005	6.7	.110	Filter Weir	
163735	May 15	Slight	Considerable	.80	8.60	.0138	.0132	.78	.0140	.0000	2.0	.160	Filter Gallery	
163736	May 15	Very slight	None	.35	15.60	.0016	.0076	.66	.0100	.0004	7.0	.080	Filter Weir	
164944	July 18	Slight	Considerable	.80	10.30	.0160	.0182	.95	.0200	.0000	2.3	.400	Filter Gallery	
164945	July 18	Very slight	None	.40	19.90	.0002	.0060	.78	.0100	.0000	9.7	.050	Filter Weir	

SUMMARY OF STATISTICS

For the Year Ending December 31, 1922

In form recommended by the New England Water Works Association.

Reading Water Department.

Reading, Middlesex County, Massachusetts

General Statistics

Population by census of 1920: 7424.

Date of construction: 1890 and 1891.

By whom owned: Town of Reading.

Source of Supply: Filter Gallery and artesian wells.

Mode of Supply (whether gravity or pumping): Pumping.

Pumping Statistics

Builders of Pumping Machinery: Sullivan Machinery Co., George F. Blake Manufacturing Co., and Platt Iron Works.

Description of fuel used:

A. Kind: Coal.

b. Brand of Coal: New River.

c. Average price of coal per net ton delivered: \$9.17.

d. Percentage of ash:

e. Wood, price per cord: \$

Coal consumed for the year: 590,957 pounds.

Total pumpage for the year 96,477,676 gallons, with allowance for slip.

Average static head against which pumps work: 219.

Average dynamic head against which pumps work: 240.

Number of gallons pumped per pound of equivalent coal (5) 163.26.

Duty equals:	$\frac{\text{gallons pumped (6)} \times 8.34 \text{ (lbs.)} \times 100 \times \text{dynamic head (240)}}{\text{Total fuel consumed (3)}}$
--------------	---

equals 196, 064, 738, including heating.

Cost of Pumping, figured on Pumping Station Expenses, viz.: \$7,238.53.

Per million gallons pumped: \$75.02803.

Per million gallons raised one foot (dynamic) \$.31.

DISPOSITION OF BALANCE—Carried to New Account

Net cost of works to date	\$406,884.11
Bonded debt at date	89,000.00

Statistics of Consumption of Water

Estimated total population at date	7424
Estimated population on lines of pipe	7369
Estimated population supplied	7320

Total consumption for the year: 96,477,676 gallons.

Average daily consumption: 264,322.4 gallons.

Gallons per day to each inhabitant: 35.604.

Gallons per day to each consumer: 35.869.

Cost of supplying water, per million gallons figured on total maintenance: \$209.9541.

Total cost of supplying water, per million gallons, figured on total maintenance, plus interest on bonds: \$250.8185.

Statistics Relating to Distribution System Mains

Kind of Pipe: Cast iron.

Sizes: From 6 inches to 12 inch.

Extended: 0 feet during year.

Discontinued: 0 feet during year.

Total now in use: 33.39 miles.

Cost of repairs per mile: \$2.35.

Number of leaks per mile: 0.

Length of pipe less than 4 inches in diameter: 0 miles.

Number of hydrants added during year (public and private): 0.

Number of hydrants (public and private) now in use: 202.

Number of stop gates added during the year: 0.

Number of stop gates now in use: 310.

Number of stop gates smaller than 4 inch: 0.

Number of blow-offs: 13.

Range of pressure on mains: 45 lbs to 90 lbs.

Services

Kind of pipe: Cast iron, galvanized iron, lead and cement lined.

Sizes: $\frac{3}{4}$ to 6 inches.

Extended: 1845.40 feet.

Discontinued: 00 feet.

Total now in use: 27.589 miles.

Number of service taps added during year: 36.

Number now in use: 1880.

Average length of service, 1922: 51.26 feet.

Average cost of service, 1922:

Number of meters added: 42.

Number now in use: 1788.

Percentage of services metered: 97.

Number of motors and elevators added: 0.

Number now in use: 0.

Following is the principal work performed other than the regular repairs, together with recommendations for the ensuing year:

Pumping Station

The sand filters have been cleaned and repaired, the last previous cleaning having been done two years ago. It was found necessary to continue the painting, started last year, to the Pumping Station house and to the Station, which has been completed. General drainage has been done about the Station and on Mill Street mainly to prevent the surface water from entering the clear well.

The drive to the Platt Pumps has been changed from a Webb chain drive to a nine inch double thick leather belt which has proved to be much superior in many ways, as to noise, and positive action, the belt being more elastic and cheaper in maintenance. A new section of the main steam line to the Blake Pumps and a new heating coil for the filter room have been installed, replacing parts which were worn out.

This coming year the boiler fronts should be reset. Exactly how much work this will entail is difficult at the present time to estimate, as well as the length of time necessary for this operation, and realizing the importance of any water system to a Municipality, all due care should be taken so that during the work the station should function as usual. The general wood-work of the lower and upper lime mixers is fast giving way and should be replaced with new material. The general appearance of the store house is such that to equal the Station and Station House it should be painted. The cut off rods of the Blake pumps are badly worn, and should be replaced, also one plunger to Pump No. 2. It would greatly add to the cleanliness of the station to have the upper windows screened to keep out the mud larks who persistently build nests in the eaves of the station.

General Maintenance and Construction.

No extension of mains was made during the year. Four new hydrants are now on hand ready to be installed as soon as the special castings arrive for such work. They will be placed at the following locations: Ash Street 100' from the R. R. south, Grove Street south of Spruce Rd., Union Street near Middle and Sanborn St., between Haven and Woburn.

The other hydrants have been gone over and repaired during the year. On account of the age of many of our meters a large number have been taken out, cleaned, repaired and replaced. The same holds true as to the house services where the pipe goes through the foundation wall, and it was found necessary to replace some (93) ninety-three, services at this point. Thirty-six new services have been constructed, during the past year which shows an increase of ten over last year.

An experiment was made this last year in determining the pressure on the 6" line which connects the systems of Wakefield and Reading, at the junction of Wakefield St., and Bay State Rd.

Before the gate was opened between the two towns, gauges were put on the hydrants of both towns and the pressure read.

Figuring the difference of elevation of hydrants the pressure on either side of the gate was the same. The gate was then opened and reading taken, the gauges showing no changes.

It was then agreed that the Town of Wakefield should feed the Town of Reading for twenty-four hours, to determine whether the six inch connection was sufficiently large to supply Reading for domestic purposes. Approximately twenty-four hours afterwards the elevation in the Reading stand-pipe was constantly dropping, and that of Wakefield constantly rising, signifying that this town could not rely on the connection to supply it with water in case of an emergency or a breakdown.

The number of new meters which the department will need in 1923, will depend on building operations. It is my belief that an expenditure of approximately \$650.00, will not more than cover the meters needed as soon as dwellings are ready for them.

The Stand pipe, inside, should be cleaned and in order to do this an extension of the six inch main on Bancroft Ave. is necessary with a blow-off line running from it.

A six inch main should be laid in Forest Street between No. Main and Pearl St., and wherever it is deemed necessary all new hydrants installed should be gated. A relocation of water gates should be made this year. In many instances location points have been moved and it is often times difficult to find same: moreover, in the past, in cases where the Highway Dept. has reconstructed the road surface, the gates have of necessity been buried. It has not been the custom in past years to open and shut the gates each year. This should be done to prevent the gates from sticking. Lastly, it is recommended that the exterior of the Water Works shop should be painted at odd intervals during the year. As to future extension of Mains the Superintendent would suggest that building conditions govern this item.

HARRY B. COLLINS, Supt.

HIGHWAY DEPARTMENT

To the Board of Public Works:

Gentlemen:—The following is the yearly report of the Highway Department:

Appropriations and Balances.

1. Voted in March Town Meeting for highway maintenance	\$50,000.00
2. Removal of snow and ice	1,500.00
3. Cleaning drainage ditches	1,000.00
4. Survey and plans for Special Drainage System	3,500.00
5. Balance to be spent on sidewalk No. Main St.	175.06
6. Balance to be spent on Forest Street	464.93
7. Balance to be spent on South Street	1,074.58
<hr/>	
Total	\$57,714.57

Expenditures and Balances of the Above Appropriations.

1. Appropriation for Highway Maintenance 1922	\$ 50,000.00
1. General	\$ 1,970.17
2. Maintenance	3,926.76
3. Construction	2,254.10
4. Drains	577.77
5. Gutters	1,054.11
6. Catch basins	374.36
7. Sanding	733.22
8. Patching	134.18
9. Mixing K. P.	162.17
10. Sand Pit	124.27
11. Gravel Pit	141.75
12. Hauling gravel	93.13
13. Washouts	62.01
14. Burning Leaves	113.98
15. Repairs to equipment	916.03
16. Shop	308.24
17. Sickness	45.04
18. Holiday	1,048.94
19. Miscellaneous	308.03
<hr/>	
Total	\$ 14,348.25

Bills.

1. Oil and gasoline	\$ 1,238.97	
2. 45% Asphalt Oil	2,492.53	
3. 65% Asphalt Oil	198.00	
4. Bermudez Asphalt	420.00	
5. Tarvia A.	833.70	
6. Tarvia B.	3,553.88	
7. Tarvia X	4,656.60	
8. Crushed Stone	4,699.71	
9. Hauling Stone	978.15	
10. Drainage	168.79	
11. Sidewalks	1,469.31	
12. Auto maintenance	4,746.15	
13. New steam roller and maintenance ...	4,915.04	
14. Small tools and equipment	910.03	
15. General repairs	128.68	
16. Supplies	437.93	
17. Telephone	61.82	
18. Freight and Express	105.85	
19. Coal	421.00	
20. Municipal Light Dept.	90.49	
21. Printing	26.39	
22. Miscellaneous	208.32	
		<hr/>
Total	\$ 32,761.34	47,109.60
		<hr/>
Balance		\$ 2,890.40
2. Appropriation for the removal of Snow & Ice.		1,500.00
Expended:		
1. Pay Roll	\$ 885.27	
2. Cost of snow plowing	520.50	
3. Repairs to snow plows	94.23	
		<hr/>
Total	\$ 1,500.00	1,500.00
		<hr/>
Balance		00.00
3. Appropriation for cleaning Drainage Ditches		\$ 1,000.00
Expended:		
1. Pay Roll	\$ 670.96	
2. Bills	311.54	
		<hr/>
Total	\$ 982.50	982.50
		<hr/>
Balance.		\$ 17.50

4. Appropriation for Survey and Plans for Special Drainage.		\$ 3,500.00
Expended:		
1. F. A. Barbour	\$ 1,000.00	
Total	\$ 1,000.00	
Balance		\$ 2,500.00
5. Balance to be spent on sidewalk No. Main St.		\$ 175.06
Expended:		
1. Pay roll and bills	00.00	
Total	00.00	00.00
Balance		\$ 175.06
6. Balance to be spent on Forest Street		\$ 464.93
Expended:		
1. Pay Roll	\$ 157.39	
2. Bills		157.39
Total	\$ 157.39	
Balance		\$ 307.54
7. Balance to be spent on South Street		\$ 1,074.58
Expended:		
1. Pay Roll	\$ 536.50	
2. Bills		536.50
Total	\$ 536.50	
Balance		\$ 538.08

As may be seen, each of the above accounts carries a balance at the end of the year. \$672.75 will be paid to the Town for sidewalk work done this year since half the cost of construction is to be paid by the abutters.

The principal work performed by the Highway Department this last year, may be divided into three sections, namely: Maintenance, Construction and Drainage, with sub-divisions of the same. With this in view the Superintendent will give as nearly as possible an idea of the work performed which may be of interest.

Maintenance.

Before the snow and ice were gone the equipment was thoroughly over-hauled and put in order. In over-hauling the steam roller, which the town had owned for the past seventeen years, it was deemed wise

to buy a new one since the general wear was such, that it was doubtful whether it would last through the program which the Board of Public Works had laid out. A new fifteen ton Buffalo Pitts roller was bought with a scarifier attachment on the rear. Although this one item consumed one tenth of the entire appropriation, the Highway Department has with it been able to accomplish more and to cover the program laid out by the Board more satisfactorily and with better results.

As soon as the weather permitted all catch basins were cleaned and a general inspection of existing drains made, and then followed the general policing of the roads not laid down with Tarvia B or other heavier material last year. The outlying streets were taken first and then those which the Board had planned to be oiled with a light dust layer. On account of the prevailing cold weather it was impracticable to apply any top dressing to the road surfaces until April 17th. Up to this date all the outlying streets and those which were to be oiled had been resurfaced. As soon as the weather did permit and between the rain storms, which were excessive, especially in the month of June, top dressing was applied to the extent of some 40,000 gallons of 45% asphalt oil used for dust preventative on the less travelled streets and 27,000 gallons of Tarvia B on streets more traveled than those where the oil had been applied. The above application covered an approximate area of 258,000 square yards at a little under 4 yards to the gallon on an average. To give a clearer idea of the amount of road surface covered with the quantity of Tarvia and oil which we used, one might say that it would cover a street 24.43 miles long and 18 feet wide.

The widening of the curve on West street, a little beyond the junction of Summer Ave., was a necessary improvement. On account of the reconstruction of the Lowell Street Bridge a detour by this section of West Street was necessary and with the present motor travel the previous condition was dangerous.

To some extent, the gravel bank on Mishawam Road, Woburn, has been used to build up on different streets the old road surfaces which were very badly worn out, and present indication shows that the bank is good for five years to come.

Construction.

After most of the streets were taken care of in the above mentioned work the Department then turned their attention to semi-permanent construction, which was carried out on the following named streets: Woburn Street from the Railroad crossing to Summer Ave., South Main Street from Washington Street to the junction of Ash on both sides of the car tracks, and on the east side to Pleasant, High Street from Middlesex Ave. to Lowell Street, a short section on Mineral and Vine Streets which act as approaches to High St., Middlesex Ave. from Lowell to High Street, and Main St. between the tracks through the Common. The total area covered was approximately 21,500 square yards at an

average cost of .84 per square yard. 6040 gallons of Tarvia A was used, 33,970 gallons of Tarvia X and 1,000 gallons of Bermudez Road Asphalt, and 4,209 tons of crushed stone hauled mostly by the department trucks from Winchester. The department this last year has done twice as much permanent work as it did in 1921 as may be seen by reference to last year's report, page 71.

A table at the end of this report will give the total amount spent on each street this past year, itemizing the account into different kinds of work and if further construction costs are desired they may be obtained at the office of the Board of Public Works on request.

Other work was performed, of less importance, such as: hauling coal and ashes to and from the Pumping Station and Municipal Buildings, the repairs of the Highway Dept.'s equipment by the force, using the steam roller for drilling purposes, etc., in all instances costs having been kept and on hand for those who desire the same.

Drainage.

The study for the development of a surface water drainage system for the Town is approximately 80 per cent completed, and this coming year the office will have on hand a definite plan whereby in the future, construction on drainage work will be directed towards an ultimate aim. In the years past no consideration was apparently given in the construction of any particular drains towards the future development of an entire system, and in many cases it has been exceedingly difficult to cope with the present water shed condition, where drains have been constructed of improper design or gradient.

The work accomplished is as follows: All surveys except those in the meadows, which are impossible to obtain until the ground is entirely frozen, are completed, and the calculation and design also. Some thirty plans drawn to a scale of 1"=100' are practically finished which show all present drains, culverts, ditches, and such other local data as is of interest. They also show the size, elevation and gradient of the proposed future drains for each street. Other plans will be made to show profiles and sections of the main channels, typical designs of catch basins and inlets and sections of the larger conduits.

In taking care of the general ditching the following work has been accomplished this year:

On account of the frequent sliding of the steep side walls of the open ditch which runs between Willow Street and West Street the banks were regraded and channel pipe was laid along the bottom.

Early in the spring the old stone culvert which runs under Willow Street, near the junction of West, caved in and a new 30" expanded metal culvert was set to replace it. When this work was done the grade was lowered over a foot, thus improving the property lying above. The same kind of work was necessary on Ash Street near the junction of

Brook and at this point a 30" culvert of expanded metal replaced the old stone one. On account of the ever pressing work of the Highway Department, Mr. John Muse was given this latter work to attend to assisted by two Water Dept. men.

The drain on Harriman Ave. was entirely relaid and with it two catch basins were constructed to catch the surface water from the streets. The old drain was a 4" hexagonal land tile pipe and in places entirely filled with roots and silt. It was replaced with a 12" vitrified pipe with bell joints.

Other drains and culverts about the town have been repaired and cleaned and the appropriation for this purpose another year should be double the amount the department had this year to carry on the necessary work.

Equipment.

The rolling equipment of the department is in very good shape, considering the duty that it has undergone. Besides buying a new steam roller, during the latter part of the year a new autocar chassis was bought to replace the old one of the same design and model, retaining, however, the old dump body.

The present equipment is as follows:

- 1 15 ton Buffalo Pitts roller.
- 2 2 ton Autocar trucks.
- 1 1 ton Ford truck.
- 1 Sidewalk and park roller.
- 1 Street broom.
- 2 Road machines.
- 1 1 1-2 ton Ford del. truck.
- 1 Cletrac Tractor.
- 1 Trailer.
- Snow plows.
- Maintenance tools, picks, shovels, etc.

Sidewalk Work.

In accordance with an understanding which was expressed at the March Town Meeting the Board of Public Works advertised in the Reading Chronicle that the Highway Department would construct sidewalks during the latter part of the year, half the cost of the construction to be paid by the abutters. Twenty four applications were received, but the Highway work being behind the schedule, it was decided to let the Sidewalk Construction out by contract. The work was given to C. L. Hoffman, he being the lowest bidder. Fifteen hundred and fifty-five square yards were laid in different sections about the town and

doubtless more work would have been done, except for the cold weather which set in, bringing operations to a close.

A similar program for road dragging, oiling, applying Tarvia and permanent construction of highways should be carefully laid out for the coming year.

We have now in town several different styles of guide posts. About five per cent of these are in good condition and others are at least readable. A standard post set in concrete at all street intersections ought to be erected with proper signs placed thereon, whenever such an expenditure seems warranted, in view of other pressing needs.

HARRY B. COLLINS, Superintendent.

TABLE SHOWING AMOUNT EXPENDED ON STREETS FROM JANUARY 1ST, 1922, UNTIL DECEMBER 31, 1922

[illegible]

Federal	66.50	19.13	10.48				96.11
Forest	151.96	5.44					157.40
Franklin	12.00	6.57					18.57
Fremont							
Fulton	4.00						4.00
Gould	37.50	2.13					65.45
Grand	2.31						2.31
Grant							
Green	16.00	32.00					140.56
Grove	1025.07	1.13			2.75		1028.95
Hancock							
Hanscom	4.49						4.49
Harnden	117.16	3.18					120.34
Harriman	4.18				281.04		285.22
Harrison	3.48						3.48
Hartshorn	6.50						6.50
Haven	92.30	1.13			2.31		110.65
Haverhill	24.43				6.08		30.51
High	8.89	2.63			16.45		3341.40
Highland Rd.						8.13	
Highland St.	261.64						
Hill Crest	104.43	1.13			1.75		294.20
Hopkins	51.04	11.03				2.50	111.35
Howard	144.52	.57					179.49
John	191.70	1.25				11.59	177.44
King	1.13	69.38			17.23		314.12
Kingston						3.75	1.13
Lake		21.88			2.29		24.17
Lewis							
Lincoln	294.38	11.13					311.51
Linden	14.48	225.28			6.00		245.20
Locust	8.67	1.13			4.31		11.33
Lowell	9.82	1.13			2.66		27.62
Main St. No.	655.90				10.83		655.90
Main St. So.	13.32	8.52			23.13		3981.22
	3775.27					19.98	
						120.58	
							9.28
							5.84

Sanborn	50.34	1.13	169.75	4.43				225.65
School	2.31							2.31
Scotland	82.99		5.32					88.31
Shackford								
Short								
South	508.03							508.03
Spring	17.78							56.69
Reading Square	391.41							415.46
Summer	331.96	276.53	4.01	22.37	4.62			724.10
Sweetser				2.25				
Temple	123.87	23.44						152.15
Thorndike								
Union	68.24		3.06		1.78			73.24
Vale								
Village	3.50	69.38						72.88
Vine	46.86							470.57
Wakefield								
Walnut	5.16	12.88						18.04
Warren	2.31							2.31
Washington	63.33	151.25	.57					261.83
Waverly								
West	158.28	203.31	1.13					362.72
Willow	33.60	139.00						339.54
Wilson	6.52	21.25						27.77
Winter	10.13	25.00						35.13
Woburn	311.00	1.59						1654.72
Woodbine				137.92	20.19	8.10	2.29	
Woodward								
	173.79	22.09	7.00					202.88
	\$14,450.15	\$7611.99	\$2429.59	\$44.42	\$1264.13	\$100.49	\$106.60	\$26,836.73
				\$578.78	\$49.58	\$132.07	\$19.98	
				\$43.11	\$5.84			

HAREY B. COLLINS, Superintendent.

SEWER DEPARTMENT.

To the Board of Public Works:

Gentlemen:—The following is the yearly report for the Sewer Dept.:—

Construction and Maintenance.

Balance brought forward	\$ 3,012.02
Receipts to date	21,089.45
Total	\$ 24,101.47

Expended:

Construction Pay Roll	\$ 507.98
Construction Bills	424.64

Total	\$ 932.62
-------------	-----------

Maintenance Pay Roll	\$ 107.88
Maintenance Bills	9,727.69

Total	\$ 9,835.57
-------------	-------------

Total Pay Rolls	\$ 615.86
-----------------------	-----------

Total Bills	10,152.33
-------------------	-----------

Total	\$ 10,768.19	\$ 10,768.19
-------------	--------------	--------------

Balance	\$ 13,333.28
---------------	--------------

House Connection Account.

Balance brought forward	\$ 216.30
Cash receipts to date	6,626.19

Total	\$ 6,842.49
-------------	-------------

Expended:

Pay Roll	\$ 2,576.73
Bills	2,442.85
Money refunded	901.28

Total	\$ 5,920.86
-------------	-------------

5,920.86

Balance	\$ 921.63
---------------	-----------

Principal Work Performed.

At the beginning of the year the Sewer Department was repairing that part of the main sewer on South Main St., south of Washington St. which had been crushed, doubtless at the time when that portion of the street had been resurfaced. On account of the weather being exceedingly cold and since the underdrain at that point is working under a head pressure the progress of the work was slow. It was necessary to install during that period of time a centrifugal pump to keep the surface water below the level of construction which practically took the entire underdrain water west of South Main St. Four old pipes were removed and new ones were replaced, set in concrete to insure added strength and tightness to the system. The pump was kept going after the completion of the work to prevent the cement from washing out of the concrete and new dry backfilling was used as the entire excavation had frozen.

After the above work was completed the two sewer lines at the junction of John and Village Streets were sand-bagged for the purpose of making an inspection of the interceptor. Other leaks were found, fixed and repaired, making that portion of the system as tight as possible. It might be said that the entire interceptor is below the level of Lake Quannapowitt and the general leakage was exceedingly small under the circumstances.

In order to determine the exact amount of leakage a weir was set at the junction man-hole between the Metropolitan Sewer and Reading Sewer, and after two days' observations it was calculated that the Town sewerage system leaked approximately 300,000 gallons per day. Further inspections showed that the 300,000 gallons leakage could be reduced to approximately 225,000 gallons per day by repairing two conditions which were by no means failures in the system. Namely on Eaton St. where the vitrified and cast iron pipes meet, the latter being used to span the brook which flows under Eaton St. and the underdrain on Howard Street, having become filled with roots, which blocked the flow in the underdrain causing the water to back up through the inspection hole in the line M. H. However, with the leakage at these points stopped, calculations show that our leakage was about 30,000 gallons per day per mile for the 7.9 miles of sewers already constructed, of which 3.5 miles are well below the permanent ground water level.

The leakage is substantially less than the average leakage in sewers in other Municipalities already connected with the Metropolitan system, and less than one half of the allowance made for leakage in the designs of recent extensions of the Metropolitan system: also it will be in line with the original estimate of 500,000 gallons per day for the completed system of the town, in view of the fact that future extensions will generally be on high ground or where free outlets for the underdrains can be obtained.

Main Extension.

It was found necessary to make a short extension of the main sewer through the property owned by E. L. Chamberlain, F. F. Smith and N. S. Kendall near the junction of Ash and Woburn Street to take care of the sewerage at the Kendall garage, the store owned by F. F. Smith facing on Woburn Street and also the basement of the estates of 10 and 12 Woburn Street. The only available way to drain this territory was to connect with the main sewer on Ash St., north side of Reading Square.

A taking was necessary in order to construct this section of main to the extent of 642 square feet from E. L. Chamberlain, 1150 square feet from F. F. Smith and 70 square feet from N. S. Kendall, and during the process of construction the work was carried on in a manner to obstruct the right of way as little as possible.

House Connections.

On completion of the inspection of the system on January 10th, 1922, the Board of Public Works authorized the Superintendent to begin connecting those houses which had their particular laterals run from the main sewer in the street up to and through their foundation wall or cesspool, and work began immediately. This work has been done mostly by employees of the Water Department. In cases where the connection was made through a cesspool before the rules and regulations were promulgated, different contractors in Town did a little of such work, all of which, however, was inspected by the Superintendent. After the rules and regulations were promulgated the Sewer Dept. during the course of the year installed (73) seventy-three house connections. Fifty-nine of the above connections were entirely new work, that is to say running from the Main in the street to and through the foundation wall, and fourteen were made by connecting the lines already laid. Perhaps the most difficult of any of the above connections was that made at the Post Office. Considerable ledge was encountered and underground structures which made it difficult in excavating in order to keep the other structures operating.

The number of houses that are now connected with the Sewerage system is equivalent to about 26% of the total number of connections where the present sewer is available. Fifty-seven other connections have been constructed and may at any time be connected as soon as the property owners so desire, and one hundred and sixteen which have been run either to the curb or to the side-line of the street by the Town previous to the resurfacing of the highways. There still remain 217 connections possible for which no applications have been made by the owners of the property.

The sewer rental charges this year amounted to \$522.30 which is about 27% of the total amount, approximately, that the Town would

receive if all houses were connected, taking into consideration that two sets of rental bills go out each year.

The following table will serve to illustrate the amount of work that has been accomplished to date, on various streets, where a main sewer has been constructed. It is also interesting to note that the per cent of completed connections is to the total possible to connect, as the revenue which the town received last year is to the total estimated revenue if 100% connected, bearing in mind that two sewer rental bills are issued each year, namely in January and July. The estimated revenue is based on the amount of water used in houses abutting the streets where the sewers are laid, at the rate of 30c per hundred cubic feet.

Streets	Possible Connections	Completed Connections	No Construction Started	Connections to Street Line	Partially Installed to House	Estimated Revenue 100% Connected	Revenue Received July, 1922
Arlington	12	0	8	1	3	\$ 32.70	\$.00
Ash	17	4	13	0	0	127.80	.00
Berkeley	23	6	16	0	1	140.70	3.60
Brook	2	0	2	0	0	19.80	.00
Copeland Ave.	6	2	0	0	4	77.70	23.10
Eaton	1	0	0	0	1	3.60	.00
Fremont	3	1	2	0	0	23.10	3.90
Green	28	7	18	0	3	110.70	3.90
Harnden	4	3	0	0	1	51.30	26.10
Haven	38	20	12	3	3	660.30	73.50
High	22	1	5	14	2	64.50	.00
Hill Crest Rd.	8	2	1	4	1	6.60	.00
Howard	7	3	2	1	1	31.80	15.00
John	9	0	9	0	0	33.30	.00
Kingston	11	4	7	0	0	63.00	2.70
Lincoln	10	2	0	6	2	161.70	5.10
Linden	8	3	3	0	0	76.20	7.20
Lowell	4	3	1	0	0	13.50	24.60
Main	28	14	2	9	3	319.80	169.50
Middle	5	0	5	0	0	37.50	.00
Middlesex Ave.	17	8	0	4	5	81.00	22.50

Streets	Possible Connections	Completed Connections	No Construction Started	Connections to Street Line	Partially Installed to House	Estimated Revenue 100% Connected	Revenue Received July, 1922
Mt. Vernon	8	1	6	0	1	72.00	.00
Parker	8	0	7	0	1	27.30	.00
Perkins Ave.	4	4	0	0	0	47.40	30.00
Pleasant	9	3	5	0	1	92.80	4.80
Pratt	5	4	1	0	0	20.70	6.90
Prescott	38	8	0	18	12	345.90	18.30
Prospect	16	3	11	0	2	104.00	.00
Salem	18	5	2	11	0	138.00	9.30
Sanborn	12	2	6	0	4	16.20	26.40
Summer Ave.	16	3	12	0	1	100.20	27.30
Union	4	1	2	0	1	6.30	.00
Village	28	8	19	0	1	128.10	14.70
Washington	25	2	18	5	0	108.90	.00
Wilson	5	1	4	0	0	35.40	.00
Woburn	67	8	18	40	1	500.00	3.90
	526	136	217	116	57	\$3879.80	\$522.30

Recommendations.

Whereas the main sewer was designed to flow two-thirds full when carrying a maximum capacity, and all lateral and sub-mains one half full, the houses that are connected do not discharge enough material to keep the mains thoroughly flushed, and a systematic process of cleaning and flushing should be undertaken this coming year.

The Superintendent would recommend that any further extensions of mains be made only on streets where a substantial percentage of the property owners apply for connections.

HARRY B. COLLINS, Supt.

PARK DEPARTMENT.

To the Board of Public Works:

Gentlemen:—The following is the yearly report of the Park Department:

General Appropriation	\$ 1,463.33
Special appropriation, rent of ball park	342.00
	<hr/>
Total	\$ 1,805.33

Expended:

Memorial Park:

Pay roll care of Park	\$ 331.69
Pay roll supervised play	566.62
Bills	76.66

Total	\$ 974.97
-------------	-----------

Common, Leach and Main St. Parks:

Pay roll care of Parks	\$ 147.24
Bills	111.68

Total	\$ 258.92
-------------	-----------

Ball Field:

Rent	342.00
------------	--------

Total	\$ 342.00
-------------	-----------

Total pay rolls	\$ 1,045.55
-----------------------	-------------

Total bills	188.34
-------------------	--------

Rental	342.00
--------------	--------

Total	\$ 1,575.89
-------------	-------------

1,575.89

Balance	\$ 229.44
---------------	-----------

MEMORIAL PARK

From January first 1922 to the time when the summer instruction began nothing was done worthy of note except the repairs that were necessary. On March 8th, 1922, when the dam was opened to let out the

water which was used for skating, it was noted that at two places the dam had given away. On further investigation it was found the foundation walls of the community house had been pushed in at places, windows broken and repairs to the plumbing were necessary before the season opened. The above work was attended to and following that, the general care of the grounds was taken up. That portion used by the children during the summer months for their games was constantly kept mown, raked and picked up, and also the approaches to the park on Main and Salem Streets.

All the activities at Memorial Park this past year were under the supervision and direction of the Reading Woman's Club and the Board of Public Works wishes to thank especially that club for their loyal help both in money and personal service. Thanks are due also to individuals who took part in making the summer's work a success, as an unselfish contribution to the good cause.

The gate in the dam was closed early in the fall and at this writing although there has been very little skating, a large area is now flooded and partly frozen which in the near future will provide a fine opportunity during the real cold weather.

Common and Main Street Parks.

It may be said that the Common and Main St. Parks were kept constantly mown and raked up during the year. As to the development of the Common, the Superintendent would suggest that it remain as it is at present until the time when the town can afford to develop the square in general.

The flag pole on the Common blew over last Spring due to the rusting off of the eye bolt which held the north stay. Fortunately no one was injured. The band stand, however, had to be repaired it breaking the fall of the pole. The Park Department not having available funds, a new steel pole was presented to the Town by the Board of Public Works.

The Superintendent would suggest that Leach Park be plowed, graded, fertilized, rolled and seeded down to put it in proper condition. Very little can be done to keep the park attractive in appearance unless this work is done, in addition to which shrubbery should be set out and to carry out this work would involve an expenditure, which would have to be provided by a special appropriation.

The following is a report of the Reading Woman's Club of Playground Activities and Recommendations:

Report of Playground Committee.

The past year marks the fourth season of organized playground work under the direction of the Reading Woman's Club.

Miss Emma McKernon of Framingham, a graduate of Wellesley College was engaged as Supervisor, with Mr. Jesse Bohn of Springfield

College, as Assistant. Upon Mr. Bohn's resignation, August 3rd, Mr. Chester Putnam was appointed to fill the vacancy.

The Playground was in daily use from July 3 to September 2nd, with an average daily attendance of ninety children.

Many interesting events took place during the summer among them, "Mother's Day", on July 19th, with an attendance of over 400. On Traders' Day, August 19th, a Community Picnic was held, the Business Men's Association giving most valuable assistance. Besides the usual sports and picnic features, women of the community provided food and refreshment, the proceeds from this source helping to defray the expenses of the day. A First-Aid Station was conducted by Boy Scouts and volunteers assisted in caring for the little children. The music of the afternoon was furnished by Gove's Band, of Lynn, and was a great addition.

On August 30th, as a special treat, the children of the Playground were taken to Lynn Beach, by truck, where they spent a gala day under the care of the Supervisors and members of the Committee.

The Class in Basketry was a new and very successful feature of the season, and many women and girls availed themselves of the opportunity of learning this interesting craft. About half of the money spent for this work was returned by the workers for material used.

The Playground was officially closed August 31st. All equipment was put away or stored either in the Community House, or at the home of Mrs. Daniel, the Chairman.

MARY F. DANIEL,

Chairman Playground Committee.

GRACE B. SHEPARDSON,

President Reading Woman's Club.

December 31, 1922.

Recommendations in Regard to Playground

We recommend that the appropriation for the Playground work be the same as last year: \$300.00 to be paid a trained Supervisor and the remaining \$300.00 to be used for an assistant and maintenance.

The needs of the Playground are many. Regular attention in the fall to the preparation of the Skating Pond, by mowing and later flooding and scraping when necessary, that the young people in this part of the Town may have a suitable place to skate. This has been done to some extent but we simply recommend it as a regular attention.

A new floor in the Community House is a **real** need and would make for real development. A wading pool, swimming pool and tennis court are all visions of the future.

Recommendations in Regard to Memorial Park

A systematic planting of trees, the soil unsuitable for some things being quite suitable for the "cheap growing of trees." Trees along the

boundary line of Charles and Harrison Streets, and also to the Causeway, would be a great addition.

Trees also desirable along side of path from Salem Street to Charles Street. **Memorial trees should be looked after, and replaced, in some cases.** It has been suggested that Mr. Warren Manning might give very valuable advice along these lines.

We recommend that a committee be appointed for further interests of Memorial Park, this committee to consist of men and women from the community.

The foregoing recommendations were furnished by the Committee and the Reading Woman's Club.

HARRY B. COLLINS, Supt.

REPORT OF THE EXECUTIVE OFFICE OF THE BOARD OF PUBLIC WORKS.

To the Board of Public Works:

Gentlemen:—The following is the yearly report of the executive office:

Appropriation		\$ 4,000.00
Expended:		
Salary of Supt.	\$ 3,000.00	
Salary of clerk	706.00	
Bills	289.20	
	<hr/>	
Total	\$ 3,995.20	3,995.20
		<hr/>
Balance		\$ 4.80

ORGANIZATION

Board of Public Works

George H. Clough, Chairman	Term expires 1925
C. C. White, Secretary	" " 1924
Frederick W. Allen	" " 1923
Charles Van Stone	" " 1924
John W. Owen	" " 1925
Harry B. Collins, Supt.	
Margaret Hunt, Clerk	

Highway Dept.

Edward Crowe, Supt.

Water and Sewer Depts.

Frank Strout, Chief Eng. P. S.
Irvin Wier, 1st Assistant P. S.
George Putnam, foreman Water Dept.
Alex Richmond, foreman Sewer Dept.
C. J. Jaquith, clerk Water Dept.

The work of the Park Department was carried on by the men of the above Departments.

The following tables show the expenditures made this past year in all departments, the pay roll of each and the entire expenditure of the Board of Public Works.

BOARD OF PUBLIC WORKS

STATEMENT OF BILLS PAID JANUARY 1—DECEMBER 31, 1922

Company	B. of P. W.	Highway	Water	Sewer	Park	Total
Adams Company	\$.40	\$ 2690.53	4.30			\$4.70
Alden Speare's Sons Co.						2690.53
Allen Brothers			5.11			5.11
American Oil and Gas Co.			11.58			11.58
American Railway Express Co.		2.59	28.41	.87		31.87
American Steam Gauge Co.			3.96			3.96
Amstaco, Inc.			3.18			3.18
Atkinson, G. H. & Co.			11.35			11.35
Austin & Doten			6.50			6.50
Autocar Sales & Service Co.		2358.87		21.90		2380.77
Bancroft, E. P.		12.00				12.00
Bancroft, Wendell & Co.		30.52	5.34	41.60		77.46
Banker & Tradesman			14.00			14.00
Barber Asphalt Co.		420.00				420.00
Barbour, F. A.		1000.00				1000.00
Barrett Co.		9190.76				9190.76
Barry, F. W., Beale & Co.			28.80	2.03		30.83
Bates Motor Sales Co.			149.03			149.03
Bay State Belting Co.			22.09			22.09
Belcher, Geo. H.			33.95			33.95
Belliveau, Florence			17.12	4.00		21.12
Berger Mfg. Co.		178.73				178.73

Company	B. of P. W.	Highway	Water	Sewer	Park	Total
Berry, C.					61.60	61.60
Bessom, F. A.				8.00		8.00
Bingham & Taylor			.71			.71
Blackbird, F. H.			1.75			1.75
Boston & Maine R. R.		75.21	394.95			470.16
Braman, Daw & Co.			736.31			736.31
Bristol Co., The			.36			.36
Buffalo Steam Roller Co.		4910.72				4910.72
Builders Iron Foundry			39.48			39.48
Cail, F. W.					9.00	9.00
Caldwell, Geo. A. & Co.			1.95			1.95
Canty, Andrew S.			5.60			5.60
Castner, Curran & Bullitt			609.77			609.77
Chandler & Farquhar		2.69	26.71			29.40
Chadwick Lead Co.			27.00			27.00
Chapman Valve Co.			35.52			35.52
Charles, M. F.			17.37			17.37
Chesterton, A. W., & Co.			2.55			2.55
Clafin, A. F. & Co.		4.32				4.32
Clapp, R. D.		.30	.95			1.25
Cohen, Sidney S.			1.00		9.15	10.15
Collins, H. B.	6.14			11.31		17.45
Comm. of Mass. Reg. Motor Vehicles		10.00				10.00
Crafts, Clinton W.		10.00	6.00	12.00		28.00
Creditors National Clearing House	4.00		1.15	7.25		12.40
			80.00	5.00		85.00

BOARD OF PUBLIC WORKS
STATEMENT OF BILLS PAID JANUARY 1—DECEMBER 31, 1922

Company	B. of P. W.	Highway	Water	Sewer	Park	Total
Crowe, E. H.		.50				.50
Cummings Ex. Co.		34.55	77.45	23.25	.50	135.75
Currell, E. B.					29.85	29.85
Curry Bros. Oil Co.		62.78	17.47			80.25
Cutter Wood Supply Co.		7.92				7.92
Dallman, H. I. Co.		20.78				20.78
Daniel, McPherson		2.50				2.50
DeMerritt, Sarah R.		30.00				30.00
Dennison Mfg. Co.			9.27			9.27
Dewey, F. O. Co.		60.00				60.00
Dexter Bros.			109.48		8.73	118.21
Dexter & Carpenter		279.00				279.00
Dickinson, L. W. & Son		10.00				10.00
Dodge, Haley Co.		23.36				23.36
Dodge Sales & Engr. Co.			31.75			31.75
Dow, Geo. F., M. D.		2.00				2.00
Eagle Oil & Supply Co.		8.44				8.44
Eastern Tractor Co.		480.72	334.59	22.14		837.45
Economy Lubricating Co.			14.00			14.00
Elliott Co., The			30.08			30.08
Engineering News Record			8.00			8.00
Fairbanks Co., The			70.35			70.35

Company	B. of P. W.	Highway	Water	Sewer	Park	Total
Fife, T. C.		10.66	32.56	18.92		62.14
Fitts, Frank E.			1.35			1.35
Flax Mfg. Co.			6.93			6.93
Francis Bros.		50.87	11.44	8.45	3.80	74.56
Frankil Tire Chain Co.		61.13		155.40		216.53
Fonda Lime Kilns			340.00			340.00
Ganon Meter Co.			35.35			35.35
General Crushed Stone Co.		4699.71		21.20		4720.91
Gifford Supply Co.		7.00				7.00
Goff, John W. & Co.			539.03			539.03
Gordon, A. D.		13.50	26.00	24.75	6.00	70.25
Green, John D.		49.00				49.00
Graff-Underwood Co.			3.00	2.00		5.00
Groom, Thomas & Co.			7.07			7.07
Hanscom, E. C.			23.49			23.49
Hatch, E. W.			28.19			28.19
Hersey Mfg. Co.			99.55			99.55
Hill, Smith & Co.			2.17			2.17
Helms, W. H.			1.80			1.80
Hodson Bros.			11.80		5.00	64.02
Hoffman, C. L.	1.60	45.62		160.00		1629.31
Hubbard, W. B. & Sons		1469.31		7.37		7.37
Hughes & Co.		147.87				147.87
Hutchins & Wheeler				20.00		20.00
Jaquith, Cora J.	14.00					14.00

BOARD OF PUBLIC WORKS
STATEMENT OF BILLS PAID JANUARY 1—DECEMBER 31, 1922

Company	B. of P. W.	Highway	Water	Sewer	Park	Total
Jenkins Bros.			12.87			12.87
Jepson, Wm. A. Corp.			272.63			272.63
Jones, H. R.		12.00				12.00
Kenney's Service Station		126.99				131.29
Keuffell & Esser Co.			2.80	1.50		.76
Knowlton, Geo. W., Rubber Co.				.76		9.59
Lawrence Machine So.						44.30
LeFave, J. A.			9.59			18.25
Library Bureau			44.30			63.26
Lumsden & VanStone			54.43	18.25		561.40
Lynd, Farquhar Co.		21.55	258.08	8.83		43.60
McArdle, H. B.			43.60	281.77		42.85
Makepeace, B. L.			42.85			40.58
Manning, Warren H.				40.58		33.33
Marshall, Geo. W.					33.33	1.10
Maxwell, J. M. & Son					1.10	73.60
Merrimac Chemical Co.			73.60			967.84
Metcalf Store, The			967.84			.84
Michellini, A.			.84			29.00
Mitchell, Maude M.				29.00		56.25
Mueller, M., Mfg. Co.				56.25		237.34
Municipal Light Board		100.49	237.34			1946.35
			1845.86			

Company	B. of P. W.	Highway	Water	Sewer	Park	Total
Muse, John		55.50				55.50
National Meter Co.			903.14			903.14
Narcus, Samuel	6.75					6.75
Neptune Meter Co.			17.27			17.27
New Eng. Brick Co.		131.10				131.10
New Eng. Rd. Mach. Co.		240.00				240.00
New Eng. Oil, Paint & Varnish Co.		17.32				17.32
New Eng. Tel. & Tel. Co.	138.65	61.82	156.84	13.11	.20	370.62
New Eng. Towel Supply Co.			8.80			8.80
New Jersey Wire Cloth Co.			2.20			2.20
Norwood Engineering Co.			38.13			38.13
Ordway, O. O.			42.25	30.00		72.25
Owen, John W.	1.25	4.32				5.57
Perkins, Dana F.				35.00		35.00
Pinkham & Smith			3.16			3.10
Prentiss & Parker			47.70			60.20
Puritan Iron Works	12.50					48.00
Reading, Town of		48.00	13,583.37	9175.88		22,764.10
Reading Garage		239.45				239.45
Reading Motor Co.		631.94	71.64	668.88		1372.46
Reading Tire Shop		392.10	103.50			495.60
Red Hed Mfg. Co.			99.60			99.60
Refunds				901.28		901.28
Reliance Carbon & Ribbon Co.	3.00		18.33			21.33
Rensselaer Valve Co.			193.92			193.92

BOARD OF PUBLIC WORKS

STATEMENT OF BILLS PAID JANUARY 1—DECEMBER 31, 1922

Company	B. of P. W.	Highway	Water	Sewer	Park	Total
Rent of Bull Park					342.00	342.00
Sampson, Geo. H. Co.				1.94		1.94
Seaman, P. J.		1.20	5.25	1.75		8.20
Self-Propelling Nozzle Co.				40.24		40.24
Smart, Charles N.	13.50					13.50
Smith, Benj. W.			22.55			22.55
Smith, Fred F.	1.92	232.84	19.19	229.86	20.08	503.89
Snell, Geo. H. Co.			48.18			48.18
Soanitor Co., Inc.			20.29			20.29
Spencer, S. M. Mfg. Co.	1.35		12.52	1.97		15.84
Standard Envelope Sealer			2.04			2.04
Standard Oil Co. of N. Y.		1129.23	261.00			1390.23
Stenbridge, S. R.		516.08		10.49		526.57
Stewart & Robertson	3.00	2.42	3.05	8.80		17.27
Sullivan Machinery Co.		72.10	72.15	133.67		277.92
Sumner & Dunbar			15.11			15.11
Sweetser, Percy N.	28.50	978.15	33.84	574.27		1614.76
Thompson Meter Co.			21.36			21.36
Thorp & Martin Co.	15.05		33.80			48.85
Twombly, W. E. & J. F.	28.00	26.39	58.36	288.22		700.97
Underlay Oil Co.		38.52				38.52
Underwood Typewriter Co.	2.86		5.98			8.84

Company	B. of P. W.	Highway	Water	Sewer	Park	Total
Union Meter Co.			446.73			446.73
U. S. Post Office, F. E. Gray			133.40			133.40
Waldo Brothers & Bond Co.	2.80	220.41	37.07	298.95		559.23
Walworth Mfg. Co.			12.96			12.96
Wanamaker & Feindad				9.20		9.20
Ware Coupling & Nippling Co.			42.34			42.34
Warren, Geo. E. Corp.		149.00	877.29			1026.29
White Express Co.			.50			.50
Willis, W. H.				1.00		1.00
Woburn, City of		27.00				27.00
Woburn Machinery Co.			30.03			30.03
Worden, J.			4.00			4.00
Worthington Pump & Machinery Co.			10.69			10.69
Yawman & Erbe Mfg. Co.	3.93	102.25	48.10	24.57		178.85
Zanni & Sons		20.25		33.00		53.25
Total	289.20	34,072.88	25,940.22	13,496.46	530.34	74,329.10
Pay Rolls	3706.00	17,213.10	11,132.40	3,192.59	1045.55	36,289.64
Grand Total	\$3995.20	\$51,285.98	\$37,072.62	\$16,689.05	\$1575.89	\$110,618.74

To tabulate the work of the office is hardly necessary, though improvements have been made in the keeping of records.

Rules and regulations of the water department have been revised and a set of rules and regulations for the sewer department, adopted. All estates abutting on a public highway, or passage way, where a sewer has been laid have been assessed and said assessment and interest computed, and turned over to the Tax Collector.

A general idea of the work for the year can be partially obtained by considering the total expenditures of the four departments which are under the direction of the Board of Public Works. The Superintendent believes that a careful study of the work done and of the unit costs, as compared with the cost of work done elsewhere under contract, will show that the Town has received a full and adequate return for the money expended. This could only be accomplished where the spirit of interest and harmony is manifested on the part of everyone, and the Superintendent fully appreciates the co-operation and interest of all those in any way associated with him in his work.

He would like to acknowledge the helpful suggestions and assistance which he has received from other Department Heads in the Town, and the spirit of co-operation which he has met with on all occasions.

The work assigned to the Board of Public Works brings one in closer contact with the citizens of the Town than does the work of any other department, and it has been the Superintendent's aim to meet and satisfy their needs to the best of his ability.

HARRY B. COLLINS, Supt.

REPORT OF BOARD OF SELECTMEN

To the Citizens of Reading:

We herewith submit our report on various matters under our charge together with recommendations for future action, to which we would ask the citizens to give earnest consideration.

Additional Police

The problem of the orderly regulation of automobile traffic in Reading presents a most serious question. When the yearly increase in the number of automobiles, both for pleasure and business purposes is compared with the permanency of the width of the streets of Reading, the irrefutable conclusion is an imperative need of an increase in the number of policemen for traffic duty. We are also of the opinion that the request of citizens of Reading, in the protection of school children by officers in crossing and recrossing streets, has great merit. This is a service which is of such vital importance that the citizens of Reading can rightfully demand that it be granted to them.

Police Station

At no distant date it will be necessary for the Town to give serious consideration to the matter of better housing facilities for the Police Department. The office arrangements are antiquated, incommodious and poorly situated for the proper dispatch of the important work being done. The lock-up is a disgrace to the community and cannot be tolerated indefinitely. The automobile traffic and the enforcement of Prohibition Laws are presenting new difficulties daily to our officers and the work of that Department is changing so rapidly that it cannot be handled in the old-fashioned country village style which formerly prevailed. It will therefore become necessary shortly to provide suitable quarters for the transaction of this business.

Central Fire Station

We consider that there should be no further delay in pointing up the brick work on this building. We believe it to be unwise business policy to put off this necessary work any longer and we are accordingly making arrangements to have the work done as soon as the funds are appropriated.

Unused Hose Houses

The matter of sale of the two unoccupied Hose Houses has been held in abeyance inasmuch as the School Committee has suggested that it might be found convenient to make use of one or both of them in a temporary way to relieve the overcrowded condition of some of our schools.

Parker Tavern

Pursuant to vote of the special town meeting we have had the doors and windows securely boarded and the holes in the roof covered to protect the building from further ravages pending final disposition of the property.

Care of Veterans' Graves

In accordance with authorization given at the annual town meeting we have appointed Alfred E. Goodwin as caretaker of soldiers' and sailors' graves and delegated the Cemetery Trustees to oversee the expenditures of the money appropriated for the care of said graves.

The detailed report of Mr. Goodwin will be found elsewhere.

Town Forest

The question of establishing a Town Forest was brought before the annual town meeting through Article 17 of the warrant. The disposition of this article was to refer the same to our board and we accordingly appointed the Planning Board as a committee to investigate and report at the next annual town meeting on the advisability of establishing a Town Forest.

Perambulation of Town Bounds

Pursuant to the requirements of Statutes of the Commonwealth, the Town Bounds between Reading and Wakefield, and Reading and Stoneham were perambulated by the Board.

Financial Condition

The annual financial reports which have formerly been found in the Selectmen's Report, are omitted in the interest of economy, as these figures appear in the report of the Town Accountant.

Conclusion

We wish to express our appreciation to all Town Officials and citizens who have cooperated with and assisted us in our efforts to give the Town of Reading an economical and businesslike administration.

FRED'K L. SPRINGFORD
H. RAYMOND JOHNSON
JOS. D. KNIGHT

Selectmen of Reading.

REPORT OF CHIEF OF POLICE

To the Honorable Board of Selectmen:

Gentlemen:—I herewith submit to your Honorable Board the report of the Police Department for the year ending December 31st, 1922:

Arrests for Year 1922

Total number of arrests	251
Males	242
Females	9
Residents	111
Non-residents	140
American born	231
Foreign	20
Adults	207
Minors	44

Causes of Arrest

Assaults	4
Larceny	10
Drunkenness	81
Runaway children	15
Keeping and exposing liquor for sale	6
Transportation of liquor	1
Not sending children to school	1
Capais	1
Tramps	2
Arrested for out town officers	6
Bastardy	1
Trespassing on B. & M. R. R.	11
Insane	3
Non support	1
Gaming on Lord's Day	11
Manslaughter	1
Disturbing peace	3
Breaking and entering	4
Driving under the influence of liquor	22
Driving at greater rate than reasonable and proper	37
Overloaded trucks	1
Not having registration	7
Not having license	8
Driving away after causing injury to person	1

Not having proper brakes	1
Not giving signal at intersecting streets	9
Interrupting funeral	1
Delinquent children	2

Disposition of Cases in Court

Fined	142
Released	13
Turned over to out-of-town officers	10
Placed on file	27
Probation	7
Cases continued	5
Insane hospital, Danvers	2
Appealed cases	5
State Hospital, Tewksbury	3
Held for Grand Jury	5
Discharged	19
Turned over to parents	2
House of Correction	2
House of Correction, suspended	2
Default	1
Turned State Agent	3
Committed to Home	1
Shirley School for Boys	2
Total	251

Miscellaneous

Cases investigated	100
Disturbances quelled	20
Buildings found open and secured	47
Children lost and returned home	18
Dead bodies taken care of	5
Windows found unlocked	2
Dogs killed	30
Wires found down and reported	3
Accidents reported and investigated	125
Lanterns in dangerous places	8
Defective sidewalks and streets reported	10
Search warrant served	10
Electric lights out and reported	7
Gasoline tanks found open	3
Mad dogs shot	2
Residence temporarily vacated and special police protection requested	15
Property reported stolen	\$15,837.00
Property recovered	11,603.00
Fatal accidents	5

Amount of Fines Imposed by the Court

44 at \$ 5.00 each	\$ 220.00
66 at \$ 10.00 each	660.00
5 at \$ 15.00 each	75.00
1 at \$ 25.00 each	25.00
1 at \$ 40.00 each	40.00
14 at \$ 50.00 each	700.00
3 at \$ 75.00 each	225.00
7 at \$100.00 each	700.00
<hr/>	
Total	\$2,645.00

ROSTER**Chief**

Jeremiah Cullinane

Patrolmen

Oscar H. Low

Timothy J. Cullinane

Daniel T. Scanlon

William F. O'Brien

Francis T. Slack

Patrick J. Long

Special Officers

William H. Manning

William Pierpont

James C. Nichols

Morton Skidmore

Frank T. Strout

Charles Melendy

Conclusion.

I desire at this time to thank the Honorable Board of Selectmen, the Judges and Clerks of our Court, our Local Press and all others who assisted in any way promoting the welfare of this department, also all members of the force for what they have done.

Respectfully yours,

JEREMIAH J. CULLINANE, Chief of Police.

Reading, January 1, 1923.

REPORT OF BOARD OF ASSESSORS, 1922

Valuation of Real Estate:	
Buildings, excluding land	\$5,999,590.00
Land, excluding buildings	2,575,495.00
<hr/>	
Total Real Estate	\$8,575,085.00
Personal Estate, excluding resident bank stock	\$1,245,096.00
Resident bank stock	31,500.00
<hr/>	
Total Personal Estate	\$1,276,596.00
Total Real and Personal Estate assessed April 1, 1922	\$9,851,681.00
Building increase over 1921	238,740.00
Land increase over 1921	67,710.00
Personal increase over 1921	42,943.00
<hr/>	
Total gain on Personal and Real Estate	\$ 349,393.00
Tax on Real Estate	\$ 265,829.02
Tax on Personal Estate	39,577.46
Tax on Polls	12,060.00
Tax on Real Estate for Moth	1,310.25
<hr/>	
Total Tax April 1, 1922	\$ 318,776.73
Personal Estate assessed December, 1922	\$ 1,600.00
Real Estate assessed December, 1922	6,925.00
Polls, 18 at \$5.00	90.00
Tax assessed as supplementary on Real Estate, Dec., 1922	264.09
Tax assessed as supplementary on Personal Estate, December, 1922	49.60
Tax on Real Estate for Moth, December 1922	1.00
Total Personal Estate assessed 1922	\$1,278,196.00
Total Real Estate assessed 1922	8,582,010.00
<hr/>	
Total Real and Personal Estate assessed 1922	\$9,860,206.00

State Tax, 1922	\$ 20,520.00
State Highway Tax, 1922	1,936.50
Fire Prevention Tax, 1922	96.47
Municipal Lighting Tax, 1922	77.15
County Tax, 1922	13,035.00
Metropolitan Sewer Tax, 1922	9,171.03
War Bonus Tax, 2412 Polls at \$3.00	7,236.00
<hr/>	
Total State and County Tax	\$ 52,072.15
Total 1921	63,333.49
<hr/>	
Decrease on 1921	\$ 11,261.34
Balance from commitment for Town purposes	\$ 265,394.33
Estimated receipts	68,081.39
<hr/>	
Total	333,475.72
Overlay for 1922	4,684.71
<hr/>	
Amount appropriated for Town Purposes	\$ 328,791.01
Tax rate for 1922, \$31.00 per M.	
Number of persons assessed on property April, 1922	2,913
Number assessed for poll only	632
Additional assessed in December	14
Additional polls	18
Total assessed on property in 1922	2,927
Total assessed on polls only in 1922	650
Total number separate assessments	3,577
Polls assessed in 1922	2,430
Polls assessed in 1921	1,993
Increase in polls	437
Number of horses	171
Number of cows	289
Number of neat cattle	64
Number of swine	61
Number of fowl	10,423
Number of dwellings	1,919
Number of new dwellings	23
Number of acres of land	5,751
Population of 1920	7,424

Assessors' Report on the Survey of Land Under the Block System

We have now completed 54 plans which contain 2,600 separate lots.

The financial account is as follows:

Balance from 1921	\$204.83
Expended Davis & Abbott, bringing plans up to date	\$196.14
B. W. Smith	5.50
	<hr/>
	201.64

Balance	\$ 3.19
---------------	---------

We would advise that the sum of two hundred and fifty dollars (\$250.00) be appropriated the coming year that the work of the Block System be continued.

ALVAH W. CLARK,
J. FRED RICHARDSON,
EDWARD B. EAMES,

Board of Assessors.

REPORT OF SEALER OF WEIGHTS AND MEASURES

Reading, Mass., Dec. 31, 1922.

To the Board of Selectmen,
Town of Reading, Mass.

Gentlemen:—I herewith present my annual report for the year 1922.

All scales, weights and measures used in trade in the Town of Reading have been sealed for the year 1922.

The amount of labor required to complete this work has been greater than in any former years, owing to the increase in the number of scales and gasoline pumps. This is especially true of the latter, as it is not only necessary to test and seal the same, but they must be watched constantly in order that they may be kept within the requirements of the law.

I have visited all of the stores, at different times and have weighed many of the commodities as they are put up for sale to the public and in the majority of cases have found them to be correct weight. Several pieces of ice were re-weighed this summer and in most cases the weight was found to be satisfactory.

Tabulations of the entire year's work of this department you will find herewith.

Respectfully submitted,

CARL M. SMITH.

Work Performed from Dec. 1, 1921, to Nov. 30, 1922, Inclusive

1. Scales	Sealed	Adjusted	Condemned
Platform over 5,000 lbs	3	2	
Platform 100 to 5,000 lbs	26	23	3
Counters 100 to 5,000 lbs			
Counters under 100 lbs	42	21	3
Beams under 100 lbs	1		
Spring 100 to 5,000 lbs	6	3	3
Spring under 100 lbs	38	16	4
Computing under 100 lbs	30	15	1
Personal Weighing	1		2
Prescription	2	2	
2. Weights			
Avoirdupois	227	9	2
Apothecary	45		
Metric	12		

3. Volumetric Measures.

Liquid Measures	68	2
Dry Measures	6	2

4. Automatic Liquid Measures.

Gasolene Pumps	15	13
Oil Pumps	2	
Measures, Stops, etc., on pumps ...	85	51

5. Linear Measures.

Yard Stick	4	
Total	613	155

Work Performed from Dec. 1, 1921 to Nov. 30, 1922, Inclusive
Trial Weighings & Measurements of Commodities

Sold or Put Up for Sale

Commodity	Total No. Tested	No. Correct	Incorrect	
			Under	Over
Bread	5	2	1	2
Butter, Oleo Margarine & Lard			5	.1
Dry Commodities	39	33		
Flour	95	95		
Fruits and Vegetables	25	15	5	5
Fruits and Vegetables	79	44	18	19
Grains and Feeds	44	39	5	
Ice	14		3	11
Meats and Provisions	24	15		9
Wood, Cord	1		1	
Gasoline and Oils	58	13	5	40
Totals	384	256	43	85

Summary of Inspections**No. of Inspections Made of**

Papers and fibre cartons	6
Pedlers Licenses	4
Making of food packages	10
Labels of Bread	2
Chemical Thermometers	2
Pedlers' Scales	4
Ice Scales	6
Junk Scales	2

REPORT OF INSPECTOR OF MILK

Reading, Mass., Dec. 31, 1922

To the Board of Health,
Town of Reading, Mass.

Gentlemen:—I herewith present for your consideration my report for the year 1922.

The Inspection of the Milk Supply for the Town of Reading for the year 1922 has not differed in many respects from those conducted in the past few years.

It has consisted of the collecting of samples of milk from the dealers and in the analysis of the same for the butter fats and total solid contents, also in the inspection of the premises and conditions under which the milk was produced.

The results of these analyses were in the majority of cases satisfactory as far as the standard of the milk was concerned, but had absolutely no influence upon the quality of the milk from the stand-point of cleanliness. To my mind the latter is the most important phase of the whole milk situation, but can be accomplished only through the means of a test for the bacteria contents.

Sixty-two samples of milk and nine samples of cream were analyzed this year. Four samples of milk and one sample of cream were found to be below the legal standard.

Thirty-four dealers and stores were licensed to sell milk and twelve stores were licensed to sell oleomargarine.

The total receipts of the departments were twenty-three dollars (\$23.00).

Respectfully submitted,

CARL M. SMITH.

REPORT OF INSPECTOR OF WIRES

To the Honorable Board of Selectmen:

Gentlemen: I respectfully submit, herewith, my annual report as Inspector of wires for the year ending December 31, 1922.

Interior Wiring for Light, Heat, and Power

Number of new buildings wired	44
Number of old buildings wired	58
Number of buildings re-wired or in which additional wiring has been installed	70
Number of inspection notices received	165
Number of inspections made	215
The new buildings wired were 35 dwellings, 5 garages, 1 store, 1 bowling alley, 1 greenhouse, and 1 filling station	
Number of lamp sockets and receptacles connected to new wiring	2096
Number of ranges	10
Number of motors	18
Number of heaters	9
H. P. of motors	71

The installation and use of Radio Apparatus has increased materially during the year.

Proper precaution should be taken to avoid any fire risk in connection with its installation. The leading in wire should be properly protected by an approved type of lightning arrester, which should be securely connected to a permanent ground.

It is also advisable to have an endorsement on the Fire Insurance Policy permitting the use of Radio Apparatus in the premises.

The Inspector will be glad to inspect any installations upon request.

Overhead Wires in the Public Streets

The slack wires and defective poles resulting from the sleet storm a year ago have practically all been taken care of with a few minor exceptions.

The poles and wires of the Street Railway Company which have been abandoned and which now serve no useful purpose should be removed as soon as possible, as in some instances they are a menace to the safety of the public.

Respectfully submitted,

ARTHUR G. SIAS, Inspector of Wires

Reading, Mass., Dec. 31, 1922.

REPORT OF VISITOR

To the Overseers of the Poor:

I herewith submit my annual report.

The work of the visitor has been carried on without change as in the two previous years. The number of calls recorded for the year was 440. Grocery, milk and coal bills were approved, legal settlements confirmed, and reports made to the State.

Present town cases receiving aid	14
Families receiving Mother's Aid	5
Families receiving Temporary Aid (State)	5
At State Hospital	1
New cases for 1922	5
Number discontinued during year	21
Families aided here, settlement in other towns	3
Families aided in other towns, settlement here	6

This opportunity is taken to thank the various individuals and organizations who gave aid and cheer at Thanksgiving and Christmas, which was much appreciated by all.

The visitor wishes to express her thanks to the Board of Overseers for their co-operation and help in her work, to the Clerk of the Board for his continued interest and aid at all times, to the Town Counsel for his assistance, and to the Chief of Police for his co-operation and help.

Respectfully submitted,

HELEN A. BROWN, Visitor.

REPORT OF BUILDING INSPECTOR

To the Honorable Board of Selectmen:—

Gentlemen:—I herewith submit the following report for the year ending December 31st, 1922.

The approximate cost of new buildings amounts to \$197,000.00. This consists of residences and private garages.

There has been a block of stores erected on Haven Street this past year at a cost of approximately \$12,000.00.

The approximate cost of alteration and addition work, amounts to \$47,000.00.

Building operations for the past two months have fallen off considerable, due to the fact, I think, of advance in prices of materials.

I take this opportunity at this time to advise that, before another year passes, the smoke partitions be erected at the High School Building as recommended by our State Inspector.

He and myself made an inspection a few months ago, and as he said, it certainly should be done. I would like to have the opportunity in the near future, to go into this matter, in a thorough manner with you.

Regarding Our Building Laws:

It says no building shall be built at a less distance than 10 feet to the side line of lot. In my opinion this should apply also to the rear line of lot. In fact I intend to insist on this, as long as I remain Building Inspector. I might add, that I think it would be advisable this coming year to appoint a committee to revise the Building Laws, as in my opinion they certainly need attention.

I have taken the liberty to have some new application blanks printed, as the ones I had are depleted. I have also taken the liberty of adopting a new form of permit. This is in the form of a card, about 11x14 inches which must be tacked up on the building in question, where it can be readily seen when passing by; either by the police or myself, and if any alteration or new work is under way, and no card appears on same, the matter should be reported at once, as it is very evident that no permit has been granted. I suggest this as I feel it is one of the ways to check up some of the contractors who apparently delight in evading, doing what they should do, and then boasting about it.

It is impossible for the Building Inspector to anticipate what some of them contemplate doing.

In my opinion it would be much better for all concerned, if they would co-operate with him, and report what work they have, by applying for a permit.

Respectfully submitted,

GEORGE H. SIDEBOTTOM.

REPORT OF PLANNING BOARD

January 1, 1923.

The Planning Board respectfully submits to the Town its Annual Report covering the year 1922.

During the year local matters affecting the welfare of the Town were taken up with the various other Town Boards.

The subject of a Town Forest was considered at several meetings.

The subject of a state traffic road through Reading and adjacent cities and towns, to be built and maintained by the Commonwealth, which would divert traffic and trucking from Reading Square and the main streets, was considered throughout the year; cities and towns adjacent to Reading were considering the matter of trucking and traffic as it affected their public squares and main streets, and several joint meetings of this board and the Planning Board of Wakefield were held, and the subject discussed, as well as taken up through correspondence with other cities and towns. A hearing before the Board of Public Utilities of the Commonwealth was attended by members of the Board, who presented to the Board of Public Utilities the viewponit of the matter as it affected the Town. This subject is considered of great moment to the Town, and the matter has been thoroughly and deeply considered.

During the year the matter of establishing a building line in Reading Square was discussed, and taken up with other Town Boards.

Respectfully submitted,

CHESTER J. WALLACE, Chairman

H. Q. MILLETT

JOHN L. DODGE

LEONE F. QUIMBY

AMOS M. McLEAN, Secretary

REPORT OF BOARD OF HEALTH

There were sixty-four (64) contagious cases reported during the year 1922.

Diphtheria	6
Chicken Pox	3
Scarlet Fever	6
Typhoid Fever	1
Tuberculosis	7
Measles	34
Mumps	4
Whooping Cough	1
Enclipites	1
Supperative Conjunctivitis	1
Number of Deaths	83
Male	41
Female	42
2 were over	90 years of age
15 were between	80 and 90
12 were between	70 and 80
11 were between	60 and 70
6 were between	50 and 60
10 were between	40 and 50
5 were between	30 and 40
1 was between	20 and 30
3 were between	10 and 20
1 was between	5 and 10
3 were between	1 and 5
12 were under	1 year
2 were still births.	

E. M. HALLIGAN, M. D.,

C. H. PLAYDON,

C. F. ATKINSON,

Board of Health.

Annual Report

OF THE

TOWN ACCOUNTANT

RECEIPTS AND EXPENDITURES

For the Year Ended December 31

1922

Board of Selectmen: -

Gentlemen—The following pages contain the report in detail of all receipts and expenditures of the town for the past financial year.

An audit of the Collector's books was made during the year and statements of unpaid taxes and assessments sent out; the same was done with the Water Department.

The Sewer, Moth and Cemetery Departments and Sealer's accounts have also been audited and found correct.

Monthly statements have been furnished the several departments of all expenditures or their accounts checked with the Accountant.

The Treasurer's accounts have been examined and agree with the Accountant's books; funded and temporary loans cancelled during the year have been examined and found correct and cash balances verified with bank statements.

I wish to thank the Board of Selectmen and other officials and department heads for cooperation in the work of this office.

Respectfully submitted,

LEON G. BENT, Town Accountant.

December 31, 1922.

REPORT OF TOWN ACCOUNTANT

ACCOUNTING DEPARTMENT

Receipts for 1922

Cash on hand Jan. 1, 1922		\$ 25,906.61
Municipal Light Dept. Cash		3,506.09
Grace V. Viall, Collector:		
Taxes Collected 1922	\$320,850.57	
Moth Assessments	1,264.60	
Sewer Assessments	20,294.86	
Sewer Rentals	529.20	
Interest on Taxes	5,425.73	
Interest on Sewer Assessments	265.39	
Costs and Charges	455.70	
Sale of Property	73.18	
Redemption of Property	27.28	
	<hr/>	349,186.51
Commonwealth of Massachusetts:		
Corporation Tax	\$ 9,038.19	
Income Tax	14,326.13	
(School Income Tax see School Dept.)		
National Bank Tax	1,380.16	
Street Railway Tax	265.48	
Civilian War Poll Tax	18.00	
	<hr/>	25,027.96
Board of Selectmen:		
Licenses, 2nd Hand Auto Dealers	\$ 75.00	
" Jitney	200.00	
" Taxi	12.00	
" Victualers	24.00	
" Revolver	4.50	
" Auctioneers	2.00	
" Junk Dealers	75.00	
" Bowling and Pool	15.00	
Miscellaneous receipts	9.00	
	<hr/>	416.50
Comm. of Mass. Pedlers' Licenses		26.00
County of Middlesex Dog Tax		795.55

Police Department:

Court Fines	\$ 757.00
Sale Stills	48.18
Sale Miscellaneous	40.00

845.18

Fire Department:

Town of North Reading	\$ 25.00
Sale Miscellaneous	16.50

41.50

Moth Department:

Bills paid to H. H. Kinsley, Treas,	
1921 Work	\$ 835.75
1922 Work	693.20

1,528.95

Board of Health:

Town of Wakefield	\$ 33.50
H. D. Comey	101.00
Sundry Parties, Alcohol Permits	7.00
Sundry Parties, Inspection of Milk	23.00

164.50

Sealer of Weights & Measures:

Sundry Parties, testing and sealing fees ..	48.30
---	-------

Highway Department:

Sundry Parties, one haf cost Sidewalk construction	\$ 351.11
Miscellaneous receipts	249.36

600.47

School Department:

Comm. of Mass., Income Tax	\$ 11,200.00
Town of No. Reading, Tuition	3,382.30
Town of Wilmington, Tuition	430.68
City of Melrose, Tuition	355.20
Sundry Parties, Tuition	155.00
Comm. of Mass. State Wards, Tuition	1,217.25
City of Boston, City, Wards, Tuition	487.50
Comm. of Mass., Vocational Education	1,855.20
Comm. of Mass., Smith Hughes Fund	179.46
Grouard House: Sale Food	320.50
Miscellaneous receipts	13.41

19,596.50

Poor Department:

Comm. of Mass., Mothers' Aid	\$ 2,965.94
Comm. of Mass., Temporary Aid	1,658.55
Sarah Jones	173.86
Clerk Woburn Court	20.00
Clerk East Boston Court	25.50

4,843.85

Soldiers' Benefits:

Comm. of Mass., State Aid	\$	796.00	
Comm. of Mass., Military Aid		107.50	
Comm. of Mass., Soldiers' Exemption		94.08	
Miscellaneous receipts		4.00	
			<hr/>
			1,001.58
Library Department Fines			225.00

Rents:

C. L. Deming	\$	360.00	
E. C. Packer		142.00	
Sundry Parties, Richardson House		307.00	
H. E. Bussell, Hose 3 House		245.84	
			<hr/>
			1,054.84
C. L. Deming, Telephone & Light charges			130.17

Insurance Account (Special):

Sundry Parties, payment of losses			740.50
---	--	--	--------

Water Department:

Water rates and charges			37,193.51
Insurance Account (reimbursement)			440.87

Municipal Light Department:

Light & Power rates and charges			169,230.43
State Tax (reimbursement)	\$	77.15	
Insurance Account (reimbursement)		642.25	
Payment of 1921 Loan, balance		6,800.00	
			<hr/>
			7,519.40

Cemetery Department:

Sundry Parties, Sale of Lots and Graves ..			1,974.00
Sundry Parties, Care of Lots, etc.		2,002.71	
Royal Indemnity Co.		25.12	
			<hr/>
			2,027.83

Interest on Cemetery Bequest Fund			1,100.00
Interest on Bank Deposits			1,662.91
Interest, Miscellaneous			2.80
Temporary Loans			325,000.00
Municipal Light Dept., Notes sold			7,000.00

Sewer Department:

Sundry Parties, Guarantee Deposits, House Connections			6,626.19
Insurance Account (reimbursement)			4.85

Refunds Account 1921 Payments:

Sewer Department	\$	3.33	
School Department		7.29	
			<hr/>
			10.62

Refunds Account 1922 Payments:

School Dept., Tuition Acct.	\$ 15.38	
School Dept., Gen'l Salary Acct.	8.00	
School Dept., Agr. Acct.	6.00	
Moth Department Acct.	1.34	
Water Department Acct.	7.45	
Fire Department Acct.	7.00	
Interest, Acct.	244.37	
		<hr/>
		289.54

Insurance Account:

Sundry Parties, Rebates	139.33	
-------------------------------	--------	--

Total Receipts	970,002.23
Total	\$995,908.84

APPROPRIATIONS FOR 1922

General Government:

Moderator's Salary	\$ 60.00	
Selectmen's Salaries	83.33	
Selectmen's Expenses	300.00	
Selectmen's Clerical	1,310.00	
Accountant's Salary	1,000.00	
Treasurer's Salary	750.00	
Treasurer's Expenses	400.00	
Tax Collector's Salary	2,000.00	
Tax Collector's Expenses	600.00	
Tax Collector's Clerical	150.00	
Assessor's Salaries	1,200.00	
Assessors' Expenses	900.00	
Assessors' Clerical	936.00	
Town Clerk's Salary	200.00	
Town Clerk's Expenses	500.00	
Town Counsel's Salary	500.00	
Registrars' Salaries	170.00	
Election Expenses	700.00	
Board of Public Works, Supt. Salary	3,000.00	
Clerical	750.00	
Expenses	250.00	
		<hr/>
		\$ 15,759.33

General Accounts:

Miscellaneous Expenses	\$ 3,000.00	
Municipal Building Maintenance	2,000.00	
Central Fire Station Maintenance	700.00	
Lighting G. A. R. Rooms	25.00	
Lighting Victory House	175.00	
Insurance	2,098.26	
Interest	26,047.50	
		<hr/>
		\$ 34,045.76

PROTECTION OF PERSONS AND PROPERTY

Police Department, Salaries	\$ 10,450.00	
Special Officers	100.00	
Expenses	735.00	
Fire Dept., Salaries	\$ 8,700.00	
Call Men	2,765.00	
Expenses	2,200.00	
Extra Equipment	290.00	
New Hose	900.00	
Punch Register	190.00	
Fire Alarm, Supt.'s Salary	100.00	
Maintenance	900.00	
Moth Department Maintenance	6,400.00	
Forest Warden Maintenance	200.00	
Tree Warden Maintenance	1,500.00	
Inspector of Wires, Salary	100.00	
Inspector of Building, Salary	300.00	
Sealer of Weights & Measures, Salary	300.00	
Sealer of Weights & Measures, expenses	100.00	
Hydrant Rentals	6,060.00	
		\$ 42,290.00

HEALTH AND SANITATION

Board of Health, Salaries	\$ 250.00	
Board of Health, Expenses	250.00	
Inspector of Plumbing, Salary	700.00	
Inspector of Milk, Salary	100.00	
Inspector of Animals, Salary	200.00	
Care Contagious Diseases	1,200.00	
Garbage Removal	1,300.00	
		\$ 4,000.00

HIGHWAYS, SIDEWALKS, Etc.

Highway Maintenance	\$ 50,000.00	
Snow and Ice Removal	1,500.00	
Drainage Ditches	1,000.00	
Street Lighting	15,300.00	
		\$ 67,800.00

CHARITIES AND AID

Overseers of Poor, Salaries	\$ 50.00	
Overseers of Poor, Clerical	352.00	
Overseers of Poor, Visitor	400.00	
Poor Department, Outside Relief, etc.	3,500.00	
Board and Care	2,500.00	
Mothers' Aid, Town of Reading	1,500.00	
Mothers' Aid, Comm. of Mass.	2,500.00	
Temporary Aid, Comm. of Mass.	1,800.00	
		\$ 12,602.00

SOLDIERS' BENEFITS

Soldiers' Relief	\$ 3,000.00	
Military Aid	500.00	
State Aid	700.00	
	<hr/>	\$ 4,200.00

EDUCATION

School Department: Salaries, General Acct.	\$101,600.00	
Expenses, Gen'l Acct.	26,000.00	
Salaries, Agr. Acct.	4,000.00	
Expenses, Agr. Acct.	900.00	
Vocational Tuition	300.00	
Public Library, Salaries	1,550.00	
Public Library, Expenses	2,250.00	
	<hr/>	\$136,600.00

RECREATION

Rent of Ball Field	\$ 342.00	
Care Common & Parks & Supervised Play ..	1,463.33	
	<hr/>	\$ 1,805.33
Laurel Hill Cemetery		\$ 4,124.59

SPECIAL APPROPRIATIONS

Memorial Day Observance	\$ 300.00	
Drinking Fountains	100.00	
Reserve Fund	1,000.00	
Rent G. A. R. Rooms	264.00	
Painting Municipal Building	400.00	
Drainage System Survey	3,500.00	
	<hr/>	\$ 5,564.00

Total Appropriation		\$328,791.01
---------------------------	--	--------------

APPROPRIATIONS NOT FROM TAX LEVY**Overdrafts from 1921**

Taxes on Property Taken	\$ 228.76	
Fire Alarm Maintenance	480.19	
Police Department Maintenance	201.73	
Tree Warden Maintenance	2,043.47	
Care Contagious Diseases	488.86	
Poor Department Maintenance	1,556.62	
Mothers' Aid, Comm. of Mass.	2,451.56	
Temporary Aid, Comm. of Mass.	1,833.57	
State Aid, Comm. of Mass.	718.00	
	<hr/>	\$ 10,002.76
Fire Department, Repairs	\$ 1,800.00	
Care Soldiers' and Sailors' Graves	875.00	
	<hr/>	\$ 2,675.00

Note: Appropriated from Excess and Deficiency account.

RECAPITULATION

Town Expenses	\$328,790.01	
State Taxes and Assessments	31,801.15	
County Tax	13,035.00	
Civilian War Poll Tax	7,236.00	
	<hr/>	380,862.16
Overlay 1922		4,684.71
		<hr/>
		\$385,546.87

VALUATION

1922

Real Estate	\$8,575,085.00
Personal Estate	1,276,596.00
	<hr/>
Total valuation	\$9,851,681.00
Assessed @ \$31.00 ..	
Real Estate Tax ...	\$ 265,829.02
Personal Estate Tax	39,577.46
	<hr/>
	\$ 305,406.48
Poll Tax 2421 @ \$5.	12,060.00
	<hr/>
	\$ 317,466.48

APPROPRIATION

1922

Town Expenses	\$ 328,791.01
State & County Tax-	
es, etc.	44,836.15
Civilian War Poll	
Tax	7,236.00
Overlay	4,684.71
	<hr/>
	\$ 385,547.87
	Less
Estimated Receipts .	68,081.39
	<hr/>
	\$ 317,466.48

STATE AND COUNTY TAXES, ASSESSMENTS, ETC.

1922

Commonwealth of Massachusetts:

State Tax	\$ 20,520.00
State Highway Tax, Sec. 16, Chap. 81 Gen	
Laws	1,936.50
Fire Prevention Tax, Sec. 29, Chap. 148, Gen.	
Laws	96.47
Civilian War Poll Tax, Chap. 283, Acts 1919	7,257.00
Municipal Lighting Tax, Sec. 11, Chapter 25,	
Gen. Laws.	
(Reimbursed by Municipal Light Dept.) ...	77.15
National Bank Tax	565.02
Corporation Tax	589.13
Metropolitan Sewerage Assessments	
(Reimbursed by Sewer Dept.)	9,171.03
County of Middlesex, County Tax	13,035.00
	<hr/>
	\$ 53,247.30

TREASURER'S CASH

Dr.

Balance, Jan. 1, 1922	\$ 25,906.61
Receipts, 1922	970,002.23

Cr.

Payments 1922	\$955,021.45	
Balance to 1923	40,887.39	
	<hr/>	<hr/>
	\$995,908.84	\$995,908.84

ACCOUNTING, TAXES AND ASSESSMENTS

TAXES 1918

Balance uncollected Jan. 1, 1922	\$ 146.88	
Balance uncollected Dec. 31, 1922		146.88
	<hr/>	<hr/>
	\$ 146.88	\$ 146.88

TAXES 1919

Balance uncollected Jan. 1, 1922	\$ 333.84	
Collected 1922		124.68
Balance uncollected Dec. 31, 1922		209.16
	<hr/>	<hr/>
	\$ 333.84	\$ 333.84

TAXES 1920

Balance uncollected Jan. 1, 1922	\$ 23,274.56	
Collected 1922		22,785.61
Abatements		183.74
Balance uncollected Dec. 31, 1922		305.21
	<hr/>	<hr/>
	\$ 23,274.56	\$ 23,274.56

TAXES 1921

Balance uncollected Jan. 1, 1922	\$111,592.53	
Collected 1922		80,633.70
Abatements		651.70
Balance uncollected Dec. 31, 1922		30,307.13
	<hr/>	<hr/>
	\$111,592.53	\$111,592.53

TAXES 1922

Commitment Sept., 1922	\$317,466.48	
Commitment Dec. 1922	354.29	
Collected 1922		217,306.58
Abatements		4,044.31
Balance uncollected Dec. 31, 1922		96,469.88
	<hr/>	<hr/>
	\$317,820.77	\$317,820.77

MOTH ASSESSMENT 1920

Balance uncollected Jan. 1, 1922	\$	166.55		
Collected 1922			157.35	
Balance uncollected Dec. 31, 1922			9.20	
		<hr/>	<hr/>	
	\$	166.55	\$	166.55

MOTH ASSESSMENTS 1921

Balance uncollected Jan. 1, 1922	\$	370.50		
Collected 1922			248.75	
Balance uncollected Dec. 31, 1922			121.75	
		<hr/>	<hr/>	
	\$	370.50	\$	370.50

MOTH ASSESSMENTS 1922

Commitment 1922	\$	1,311.25		
Collected 1922			858.50	
Balance uncollected Dec. 31, 1922			452.75	
		<hr/>	<hr/>	
	\$	1,311.25	\$	1,311.25

SEWER DEPARTMENT BETTERMENT ASSESSMENTS

Assessment 1922	\$	43,671.14		
Collected to Sept. 30, 1922			11,839.68	
Amount Apportioned			16,439.85	
Amount Unapportioned			15,391.61	
		<hr/>	<hr/>	
	\$	43,671.14	\$	43,671.14

SEWER ASSESSMENTS**Unapportioned**

Commitment 1922	\$	15,391.61		
Collected 1922			6,619.67	
Balance uncollected Dec. 31, 1922			8,771.94	
		<hr/>	<hr/>	
	\$	15,391.61	\$	15,391.61

SEWER ASSESSMENTS**Apportionment of 1922**

Commitment 1922	\$	2,267.10		
Collected 1922			1,555.80	
Balance uncollected Dec. 31, 1922			711.30	
		<hr/>	<hr/>	
	\$	2,267.10	\$	2,267.10

SEWER ASSESSMENT, INTEREST**Apportionment of 1922**

Commitment	\$	409.13		
Collected			255.58	
Balance uncollected Dec. 31, 1922			153.55	
	\$	409.13	\$	409.13

SEWER RENTALS

Amount rental charges, 1922	\$	522.30		
Collected			522.30	
	\$	522.30	\$	522.30

SEWER ASSESSMENTS**Apportionment of 1923**

Commitment	\$	2,267.10		
Collected advance payments			31.09	
Balance uncollected Dec. 31, 1922			2,236.01	
	\$	2,267.10	\$	2,267.10

SEWER ASSESSMENTS**Apportionment of 1924**

Commitment	\$	2,013.26		
Collected, advance payments			31.09	
Balance uncollected Dec. 31, 1922			1,982.17	
	\$	2,013.26	\$	2,013.26

SEWER ASSESSMENTS**Apportionment of 1925**

Commitment	\$	1,924.94		
Collected, advance payments			31.09	
Balance uncollected Dec. 31, 1922			1,893.85	
	\$	1,924.94	\$	1,924.94

SEWER ASSESSMENTS**Apportionment of 1926**

Commitment	\$	1,708.26		
Collected, advance payments			31.09	
Balance uncollected Dec. 31, 1922			1,677.17	
	\$	1,708.26	\$	1,708.26

SEWER ASSESSMENTS**Apportionment of 1927**

Commitment	\$ 1,291.83	
Collected, advance payments		31.09
Balance uncollected Dec. 31, 1922		1,260.74
	<hr/>	<hr/>
	\$ 1,291.83	\$ 1,291.83

SEWER ASSESSMENTS**Apportionment of 1928**

Commitment	\$ 1,241.75	
Collected, advance payments		31.09
Balance uncollected Dec. 31, 1922		1,210.66
	<hr/>	<hr/>
	\$ 1,241.75	\$ 1,241.75

SEWER ASSESSMENTS**Apportionment of 1929**

Commitment	\$ 1,241.75	
Collected, advance payments		31.09
Balance uncollected Dec. 31, 1922		1,210.66
	<hr/>	<hr/>
	\$ 1,241.75	\$ 1,241.75

SEWER ASSESSMENTS**Apportionment of 1930**

Commitment	\$ 1,241.75	
Collected, advance payments		31.09
Balance uncollected Dec. 31, 1922		1,210.66
	<hr/>	<hr/>
	\$ 1,241.75	\$ 1,241.75

SEWER ASSESSMENTS**Apportionment of 1931**

Commitment	\$ 1,242.11	
Collected, advance payments		30.99
Balance uncollected Dec. 31, 1922		1,211.12
	<hr/>	<hr/>
	\$ 1,242.11	\$ 1,242.11

OVERLAY 1918

Balance Jan. 1, 1922		\$ 146.88
Balance to 1923	146.88	
	<hr/>	<hr/>
	\$ 146.88	\$ 146.88

OVERLAY 1919

Balance Jan. 1, 1922		\$ 333.84
Transferred to Overlay Reserve Fund	124.68	
Balance to 1923	209.16	
	<hr/>	<hr/>
	\$ 333.84	\$ 333.84

OVERLAY 1920

Balance Jan. 1, 1922		\$	788.01
Abatements 1922	183.74		
Transferred to Overlay Reserve Fund	299.06		
Balance to 1923	305.21		
		\$	788.01
		\$	788.01

OVERLAY 1921

Balance Jan. 1, 1922		\$	1,056.64
Abatements 1922	651.70		
Balance to 1923	404.94		
		\$	1,056.64
		\$	1,056.64

OVERLAY 1922

Appropriation		\$	4,684.71
December Commitment			354.29
Abatements 1922	4,044.31		
Balance to 1923	944.69		
		\$	5,039.00
		\$	5,039.00

OVERLAY RESERVE FUND

Balance Jan. 1, 1922		\$	1,440.64
Transferred from 1919			124.68
Transferred from 1920			299.06
Transferred to Reserve Fund	1,000.00		
Balance to 1923	864.38		
		\$	1,864.38
		\$	1,864.38

DEPARTMENTAL ACCOUNTS RECEIVABLE**Mothers' Aid**

Balance due from Comm. of Mass., Jan. 1, 1922	\$	2,152.32	
Payments 1922		2,465.56	
Received from Comm.			2,965.94
Balance due from Comm. Dec. 31, 1922			1,651.94
	\$	4,617.88	\$ 4,617.88

TEMPORARY AID

Balance due from Comm. of Mass., Jan. 1, 1922	\$	1,833.57	
Payments 1922		1,731.45	
Received from Comm.			1,833.57
Balance due from Comm. Dec. 31, 1922			1,731.45
	\$	3,565.02	\$ 3,565.02

STATE AID

Balance due from Comm. of Mass., Jan. 1, 1922	\$	718.00	
Payments, 1922		602.00	
Received from Comm.			796.00
Balance due from Comm.			524.00
	\$	1,320.00	\$ 1,320.00

HEALTH DEPARTMENT

Balance due from Sundry Parties Jan. 1, 1922	\$	207.00	
Charged to Sundry Parties, 1922		309.00	
Received from ditto			134.50
Balance due from ditto			381.50
	\$	516.00	\$ 516.00

SCHOOL DEPARTMENT**Tuition****Town of North Reading**

Balance due Jan. 1, 1922	\$	1,219.00	
Charged in 1922		3,551.15	
Received			3,382.30
Balance due Dec. 31, 1922			1,387.85
	\$	4,770.15	\$ 4,770.15

TOWN OF WILMINGTON

Balance due Jan. 1, 1922	\$	102.00	
Charged in 1922		284.02	
Received			386.02
	\$	386.02	\$ 386.02

CITY OF MELROSE

Balance due Jan. 1, 1922	\$	102.00	
Charged in 1922		432.25	
Received			355.20
Balance due Dec. 31, 1922			179.05
	\$	534.25	\$ 534.25

SUNDRY PARTIES

Balance due Jan. 1, 1922	\$	88.00	
Charged in 1922		38.00	
Received			155.00
Balance, advance payment		29.00	
	\$	155.00	\$ 155.00

FEDERAL BOARD VOCATIONAL EDUCATION**U. S. Veterans' Bureau**

Balance due Jan. 1, 1922	\$ 122.40	
Charged in 1922	2,150.78	
Balance due Dec. 31, 1922		2,273.18
	<hr/>	<hr/>
	\$ 2,273.18	\$ 2,273.18

TOWN OF TEWKSBURY

Charged in 1922	\$ 163.85	
Balance due Dec. 31, 1922		163.85
	<hr/>	<hr/>
	\$ 163.85	\$ 163.85

CITY OF BOSTON**Minor Wards**

Charged in 1922 (1919 to 1922)	\$ 2,344.58	
Received in 1922		487.50
Balance due Dec. 31, 1922		1,857.08
	<hr/>	<hr/>
	\$ 2,344.58	\$ 2,344.58

COMMONWEALTH OF MASSACHUSETTS**State Wards**

Charged in 1922 (1919 to 1922)	\$ 3,116.03	
Received in 1922		1,217.25
Balance due Dec. 31, 1922		1,898.78
	<hr/>	<hr/>
	\$ 3,116.03	\$ 3,116.03

MOTH DEPARTMENT**Moth Bills**

Charged in 1922 (work done in 1921)	\$ 2,245.50	
Received to Sept. 1		935.25
Committed to Tax Collector		1,310.25
	<hr/>	<hr/>
	\$ 2,245.50	\$ 2,245.50

Moth Bills

Charged in 1922 (work done in 1922)	\$ 2,612.40	
Received 1922		693.20
Balance uncollected Dec. 31, 1922		1,919.20
	<hr/>	<hr/>
	\$ 2,612.40	\$ 2,612.40

CEMETERY DEPARTMENT**Care of Lots, etc.**

Balance charged in 1921	\$ 184.72	
Charged in 1922	2,019.10	

Received in 1922		2,002.71
Balance due Dec. 31, 1922		201.11
	<hr/>	<hr/>
	\$ 2,203.82	\$ 2,203.82

HIGHWAY DEPARTMENT**Sidewalk Construction**

Charged in 1922 (one half cost)	\$ 693.86	
Received in 1922		351.11
Balance due Dec. 31, 1922		342.75
	<hr/>	<hr/>
	\$ 693.86	\$ 693.86

SEALER OF WEIGHTS & MEASURES

Charged in 1922	\$ 56.70	
Received in 1922		48.30
Balance due Dec. 31, 1922		8.40
	<hr/>	<hr/>
	\$ 56.70	\$ 56.70

POOR DEPARTMENT

City of Cambridge balance due Dec. 31, 1921 ...	\$ 481.65
City of Boston, balance due Dec. 31, 1921	303.00
Sundry Department charges due Dec. 31, 1922 ..	110.00
	<hr/>
Total Departmental Accounts due Dec. 31, 1922	\$ 15,385.79

WATER DEPARTMENT**Accounts Receivable****Dr.**

Balance Jan. 1, 1922	\$ 1,718.25
Meter rates, etc., charged in 1922	37,314.78

Cr.

Receipts 1922	37,193.51
Abatements	517.24
Bills uncollectible	658.97
Balance Dec. 31, 1922	663.31
	<hr/>
	\$ 39,033.33
	<hr/>
	\$ 39,033.33

MUNICIPAL LIGHT DEPARTMENT**Accounts Receivable****Dr.**

Balance Jan. 1, 1922	\$ 14,621.35
Light, Power, etc., charged in 1922	186,307.41

Cr.

Receipts 1922	169,230.43
Discounts & Credits	12,586.04
Bills uncollectible	477.84
Balance Dec. 31, 1922	18,634.45
	<hr/>
	\$200,928.76
	<hr/>
	\$200,928.76

CEMETERY RESERVE FUND

Cr.

Balance Jan. 1, 1922	\$ 242.19
Receipts, Sale Lots & Graves	1,974.00

Dr.

Transferred to Laurel Hill Cemetery Account .	1,639.08	
Balance to 1923	577.11	
	<hr/>	<hr/>
	\$ 2,216.19	\$ 2,216.19

TAXES ON PROPERTY TAKEN

Dr.

Balance Jan. 1, 1922	\$ 228.76
Paid G. V. Viall, Collector	705.83

Cr.

Transferred from E. & D. acct.	228.76
Balance to 1923	705.83
	<hr/>
	\$ 934.59

SEWER ASSESSMENTS ON PROPERTY TAKEN

Dr.

Paid G. V. Viall, Collector	\$	189.00	
Balance to 1923			189.00
		<hr/>	<hr/>
	\$	189.00	\$ 189.00

INSURANCE ACCOUNT—SPECIAL

Cr.

Receipts Various Parties, payments on loss	\$ 740.50
---	-----------

Dr.

Paid to Municipal Light Dept., loss	711.75	.
Balance to 1923	28.75	
	<hr/>	<hr/>
	\$ 740.50	\$ 740.50

EXCESS & DEFICIENCY ACCOUNT

Cr.

Balance Jan. 1, 1922		\$ 32,409.66
Transferred from Revenue Account 1922		15,216.88
Transferred to Maturing Debt Account	\$ 15,500.00	
Fire Dept. Special Account	1,800.00	
Care Soldiers' Graves Account	875.00	
Transferred to balance 1921 overdrafts as follows:		
Poor Department Acct.	1,556.62	
Mothers' Aid, Mass. Acct.	2,451.56	
Temporary Aid, Mass. Acct.	1,833.57	
State Aid, Mass. Acct.	718.00	
Board of Health Acct.	488.86	
Taxes on Property Taken	228.76	
Fire Alarm Acct.	480.19	
Police Dept. Acct.	201.73	
Tree Warden Acct.	2,043.47	
Transferred to 1922 Accounts as follows:		
School Department, Gen'l Maint. Acct.	2,500.00	
Reserve Fund	1,500.00	
Balance to 1923	15,448.78	
		<hr/>
	\$ 47,626.54	\$ 47,626.54

RESERVE FUND

Cr.

Balance Jan. 1, 1922	\$ 97.13
Appropriation	1,000.00
Appropriation, Transfer from Overlay Reserve Fund	1,000.00
Appropriation Transfer from E. & D. Acct.	1,500.00
Appropriation Transfer from Interest Acct. ...	3,500.00

Dr.

Transfer to Collectors' Expense	\$ 38.80
Transfer to Assessors' Expense	166.77
Transfer to Election Expense	251.48
Transfer to Miscellaneous Expense	657.76
Transfer Municipal Building Expense	303.43
Transfer Lighting Victory House	15.30
Transfer Police Dept., Maintenance	365.12
Transfer Police Dept., Special Officers	1,609.92
Transfer Forest Warden	49.81
Transfer Board of Health Expenses	11.62
Transfer Poor Department, Outside Relief	2,248.27
Transfer Mothers' Aid, Town of Reading	386.88

Transfer Soldiers' Relief	877.17	
Transfer Tuition, Vocational Education	72.67	
Balance to 1923	42.13	
	<hr/>	<hr/>
	\$ 7,097.13	\$ 7,097.13

APPROPRIATION ACCOUNTS

Moderator's Salary

Cr.

Appropriation		\$ 60.00
---------------------	--	----------

Dr.

Jesse W. Morton	\$ 60.00	
	<hr/>	<hr/>
	\$ 60.00	\$ 60.00

Selectmen's Salaries

Cr.

Appropriation		\$ 83.33
---------------------	--	----------

Dr.

Otis B. Ruggles	\$ 33.33	
Chas. P. Howard	25.00	
Wm. S. Kinsley	25.00	
	<hr/>	<hr/>
	\$ 83.33	\$ 83.33

Selectmen's Expenses

Cr.

Appropriation		\$ 300.00
---------------------	--	-----------

Dr.

Helen A. Brown	\$ 20.00	
Simon Castine	9.00	
M. F. Charles	3.90	
Comm. of Mass.	18.00	
E. E. Currell	12.00	
Chas. P. Howard	1.20	
New Eng. Tel. & Tel. Co.	69.80	
New Eng. Towel Supply Co.	15.40	
O. B. Ruggles .....	.90	
W. E. & J. F. Twombly	48.57	
United States Post Office	2.25	
	<hr/>	

Total payments	201.02	
Balance to Revenue	98.98	
	<hr/>	<hr/>

\$ 300.00	\$ 300.00
-----------	-----------

Selectmen's Clerical

Cr.

Appropriation		\$ 1,310.00
---------------------	--	-------------

Dr.

Mabel M. Strout	208.00	
Leon G. Bent	1,102.00	
	<hr/>	<hr/>
	\$ 1,310.00	\$ 1,310.00

Accountant's Salary

Cr.

Appropriation		\$ 1,000.00
---------------------	--	-------------

Dr.

Leon G. Bent	\$ 1,000.00	
	<hr/>	<hr/>
	\$ 1,000.00	\$ 1,000.00

Treasurer's Salary

Cr.

Appropriation		\$ 750.00
---------------------	--	-----------

Dr.

Henry H. Kinsley	\$ 750.00	
	<hr/>	<hr/>
	\$ 750.00	\$ 750.00

Treasurer's Expenses

Cr.

Appropriation		\$ 400.00
---------------------	--	-----------

Dr.

American Railway Exp. Co.	\$ 1.08	
Boston & Maine Railroad	1.65	
M. F. Charles	1.50	
Comm. of Mass.	48.00	
H. H. Kinsley	5.00	
H. M. Meserve Co.	1.50	
New England Tel. & Tel. Co.	54.58	
Prentiss & Parker	75.00	
Jas. T. Towhill Co.	2.58	
W. E. & J. F. Twombly	14.00	
Transo Envelope Co.	54.55	
United States Post Office	40.09	
	<hr/>	
Total Payments	299.53	
Balance to Revenue	100.47	
	<hr/>	<hr/>
	\$ 400.00	\$ 400.00

Tax Collector's Salary

Cr.

Appropriation		\$ 2,000.00
---------------------	--	-------------

Dr.

Grace V. Viall	\$ 2,000.00	
	<hr/>	<hr/>
	\$ 2,000.00	\$ 2,000.00

Tax Collector's Clerical

Cr.

Appropriation		\$ 150.00
---------------------	--	-----------

Dr.

Christine F. Atkinson	\$ 31.00	
Mabel B. Harnden	15.00	
Milton B. Viall	60.00	
Jessie M. Staples	20.00	
Margaret Moore	24.00	
	<hr/>	<hr/>
Total Payments	\$ 150.00	\$ 150.00

Tax Collector's Expenses

Cr.

Appropriation	\$ 600.00	
Transferred from Reserve Fund		38.80

Dr.

Allen Bros.	\$ 40	
F. W. Barry, Beale & Co.	6.66	
M. F. Charles .....	.75	
C. W. Crafts	157.15	
Hobbs & Warren	1.00	
Louie's Stationery	2.75	
H. B. McArdle	1.50	
New England Tel. & Tel. Co.	34.59	
New Eng. Towel Supply Co.	7.20	
E. M. Palmer	35.00	
Prentiss & Parker	100.00	
Second National Bank	1.27	
Thorp & Martin Co.	4.25	
W. E. & J. F. Twombly	109.45	
United States Post Office	152.47	
Grace V. Viall	24.36	
	<hr/>	<hr/>
Total Payments	\$ 638.80	\$ 638.80

Assessors' Salaries

Cr.

Appropriation	\$ 1,200.00	
---------------------	-------------	--

Dr.

Millard F. Charles	\$ 66.68	
Geo. E. Horrocks	66.66	

Est. Ardine M. Allen	66.66	
Alvah W. Clark	450.00	
J. Fred Richardson	450.00	
Edw. B. Eames	100.00	
	<hr/>	<hr/>
Total Payments	\$ 1,200.00	\$ 1,200.00

**Assessors' Clerical
Cr.**

Appropriation		\$ 936.00
	<hr/>	
Dr.		
Christine F. Atkinson	\$ 936.00	
	<hr/>	<hr/>
	\$ 936.00	\$ 936.00

**Assessors' Expense
Cr.**

Appropriation		\$ 900.00
Transferred from Reserve Fund		166.77
	<hr/>	
Dr.		
Allen Bros.	\$ 1.65	
Am. Railway Exp. Co. ....	.52	
Auto List Pub. Co.	10.00	
Cummings Express Co.	1.95	
M. F. Charles	5.90	
Alvah W. Clark	30.00	
Dalton Adding Mach. Co.	9.08	
Direct Distributing Co. ....	.75	
F. E. & E. L. Emery	8.00	
Library Bureau	213.98	
New Eng. Tel. & Tel. Co.	35.95	
New Eng. Towel Supply Co.	6.60	
Quality Press	10.31	
Benj. W. Smith	109.80	
W. E. & J. F. Twombly	615.28	
United States Post Office	7.00	
	<hr/>	<hr/>
Total Payments	\$ 1,066.77	\$ 1,066.77

BLOCK SYSTEM SURVEY

Cr.

Balance from 1921		\$ 204.83
	<hr/>	
Dr.		
Davis & Abbott	\$ 196.14	
Benj. W. Smith	5.50	
Balance to 1923	3.19	
	<hr/>	<hr/>
	\$ 204.83	\$ 204.83

Town Counsel's Salary
Cr.

Appropriation		\$	500.00	
	Dr.			
Jesse W. Morton		\$	500.00	
		\$	500.00	\$ 500.00

Town Clerk's Salary
Cr.

Appropriation		\$	200.00	
	Dr.			
Millard F. Charles		\$	200.00	
		\$	200.00	\$ 200.00

Town Clerk's Expenses
Cr.

Appropriation		\$	500.00	
	Dr.			
Christine F. Atkinson		\$	60.00	
M. F. Charles			292.71	
H. M. Meek Pub. Co.			2.50	
P. B. Murphy			6.70	
W. E. & J. F. Twombly			13.50	
Various Parties, returns			46.25	
Total Payments		\$	421.66	
Balance to Revenue			78.34	
		\$	500.00	\$ 500.00

BOARD OF PUBLIC WORKS

Cr.

Appropriation		\$	4,000.00	
	Dr.			
Harry B. Collins		\$	3,000.00	
Margaret Hunt			706.00	
Adams Co. ....			.40	
S. S. Cohen			6.14	
C. W. Crafts			4.00	
Hodson Brothers			1.60	
Cora J. Jaquith			14.00	
Samuel Narcus			6.75	
New Eng. Tel. & Tel. Co.			138.65	
John W. Owen			1.25	
Prentiss & Parker			12.50	
Reliance Ribbon & Carbon Co.			3.00	

Chas. N. Smart	13.50
F. F. Smith	1.92
S. M. Spencer Mfg. Co.	1.35
Stewart & Robertson	3.00
Percy N. Sweetser	28.50
Thorp & Martin Co.	15.05
W. E. & J. F. Twombly	28.00
Underwood Typewriter Co.	2.86
Waldo Bros. & Bond Co.	2.80
Yawman & Erbe Mfg. Co.	3.93

Total Payments	3,995.20
Balance to Revenue	4.80

\$ 4,000.00	\$ 4,000.00
-------------	-------------

BOARD OF REGISTRARS**Salaries****Cr.**

Appropriation	\$ 170.00
---------------------	-----------

Dr.

Owen McKenney, Ch.	\$ 40.00
Arthur C. Copeland	40.00
Walter S. Prentiss	40.00
Millard F. Charles, clerk	50.00

\$ 170.00	\$ 170.00
-----------	-----------

Election Expenses**Cr.**

Appropriation	\$ 700.00
Transferred from Reserve Fund	251.48

Dr.

Election Officers	\$ 357.00
J. W. Austin	5.20
M. F. Charles	40.00
Clapp & Leach	15.24
A. C. Copeland	5.00
A. C. Grampner, Jr.	30.00
Highway Dept.	30.72
Owen McKenney	5.00
Municipal Light Dept.	16.50
W. S. Prentiss	5.00
Edw. G. Quinlan	5.00
Security Lodge, I. O. O. F.	110.00
W. E. & J. F. Twombly	326.82

Total Payments	\$ 951.48	\$ 951.48
----------------------	-----------	-----------

MISCELLANEOUS EXPENSE

Cr.

Appropriation	\$ 3,000.00
Transferred from Reserve Fund	657.76

Dr.

Allen Bros.	\$ 10.25
American Railway Express .....	.85
C. F. Atkinson	19.00
J. W. Austin	22.55
L. G. Bent, Sec'y Finance Comm.	50.00
L. G. Bent, Expenses	11.11
Blackbird Pen Co.	7.00
Boston Index Co.	5.00
Brown-Howland	11.10
Howard E. Bussell	50.00
Boston & Maine R. R.	2.27
Wm. J. Brown, M. D.	2.00
Helen A. Brown	9.71
Carter's Ink Co.	16.00
Cemetery Department	35.00
M. F. Charles	13.12
Comm. of Mass., Dept. of Public Safety	1.45
C. W. Crafts	169.67
Cummings Express Co.	6.90
L. W. Dickinson & Son	11.50
Direct Distributing Co.	1.25
H. W. Dubois	7.57
Mrs. M. V. Dykens	50.00
T. C. Fife	1.50
G. H. Flint	2.10
Francis Brothers	15.45
E. L. Hutchinson, Lic. Agt.	100.00
E. L. Hutchinson	50.00
Cora J. Jaquith	4.00
J. A. LeFave	12.60
H. B. McArdle	25.20
H. M. Meserve Co.	9.08
Middlesex Bureau of Agr.	150.00
Municipal Light Dept.:	
Old South Clock	117.25
Reading Sign	117.24
Lowell St. Bridge	220.35
Miscellaneous	61.94
Old South Methodist Society	50.00
Peerless Supply Co.	2.40
George W. Perkins	29.50

Prentiss & Parker	30.00	
H. E. Pryor	10.00	
Rand Company	3.99	
Carrie Shaw	100.00	
Eolah H. Shaw	225.00	
F. L. Smalley, M. D.	7.00	
H. L. Stearns & Co.	72.60	
Percy N. Sweetser	36.50	
Thorp & Martin Co.	4.80	
M. A. Turner	2.00	
W. E. & J. F. Twombly	1,481.59	
U. S. Post Office	40.87	
Chester J. Wallace	18.25	
Fred Wallace	3.28	
Water Department	82.45	
Yawman & Erbe Mfg. Co.	57.52	
		<hr/>
Total Payments	\$ 3,657.76	\$ 3,657.76

MUNICIPAL BUILDING—Maintenance

Cr.

Appropriation	\$ 2,000.00
Transferred from Reserve Fund	303.43

Dr.

C. H. Stinchfield	\$ 806.00
American Water Supply Co.	5.00
Bay State Fibre Co.	2.00
Frank A. Butters	9.20
R. D. Clapp	4.55
Clapp & Leach	36.50
Commonwealth of Mass.	2.00
E. B. Currell & Son	27.00
H. I. Dallman Co.	5.84
S. H. Davis Co.	9.86
T. C. Fife	4.00
Francis Brothers	25.93
Hodson Brothers	6.00
Highway Department	29.26
Highway Department	54.03
W. H. Killam	51.00
Geo. W. Marshall	2.25
Malden & Melrose Gas Light Co.	2.88
Mass. State Prison	8.55
Municipal Light Dept., Coal	260.27
Municipal Light Dept.	631.03
George W. Perkins	27.50

Rochester Germicide Co.	22.50	
Chas N. Smart	12.50	
Steel Equipment Corp.	48.75	
Frank W. Stevens	11.44	
Sewer Department	38.40	
Percy N. Sweetser	99.82	
Water Department	59.34	
<hr/>		
Total Payments	\$ 2,303.43	\$ 2,303.43

CENTRAL FIRE STATION**Maintenance Fire & Police Headquarters**

Cr.

Appropriation	\$	700.00
---------------------	----	--------

Dr.

Wendell Bancroft & Co.	\$	3.56
Frank A. Butters		1.95
T. C. Fife		26.91
Highway Dept.		9.00
Mass. Reformatory		60.00
Municipal Light Dept.		530.15
F. F. Smith		2.23
Harvey Quigley		10.50
Water Dept.		38.80
<hr/>		
Total Payments		683.10
Balance to Revenue		16.90
<hr/>		
	\$	700.00
	\$	700.00

LIGHTING VICTORY HOUSE**Reading Post No. 62, American Legion**

Cr.

Appropriation	\$	175.00
Transferred from Reserve Fund		15.30

Dr.

Municipal Light Dept.	190.30	
<hr/>		
	\$	190.30
	\$	190.30

LIGHTING G. A. R. ROOMS**Veteran Post 194**

Cr.

Appropriation	\$	25.00
---------------------	----	-------

Dr.

Municipal Light Dept.	\$	22.55		
Balance to Revenue		2.45		
	\$	25.00	\$	25.00

Rent G. A. R. Rooms

Cr.

Appropriation			\$	264.00
---------------------	--	--	----	--------

Dr.

Mahlon E. Brande	\$	264.00		
	\$	264.00	\$	264.00

INSURANCE

Cr.

Appropriation	\$	2,098.26		
Rebates		139.33		
Municipal Light Dept.		642.25		
Water Department		440.87		
Sewer Department		4.85		

Dr.

Louis Davis	\$	1,028.54		
Leland W. Kingman		362.26		
Prentiss & Parker		1,923.47		
Total Payments		3,314.27		
Balance to Revenue		11.29		
	\$	3,325.56	\$	3,325.56

POLICE DEPARTMENT

Maintenance—Expense

Cr.

Appropriation	\$	735.00		
Transferred from Reserve Fund		365.12		

Dr.

American Railway Ex. Co.	1.67			
G. H. Atkinson Co.	5.40			
Auto List Publishing Co.	25.00			
Allen Brothers	16.10			
E. Howard Clock Co.	11.39			
Jeremiah Cullinane, Expense	76.44			
Cummings Express Co.	10.15			
Kenney's Service Station	1.30			
M. Linsky & Bros.	5.55			
H. B. McArdle	39.40			
Municipal Light Dept.	221.32			

New England Tel. & Tel. Co.	139.21	
Wm. Read & Sons	53.50	
Reading Garage Inc.	391.84	
Registry of Motor Vehicles	10.00	
J. W. Sias	18.00	
F. F. Smith .....	.75	
Traffic Signal Co.	18.00	
W. F. Turner, Jr.	48.00	
W. E. & J. F. Twombly	6.50	
Fred Wallace .....	.60	
		<hr/>
Total Payments	\$ 1,100.12	\$ 1,100.12

POLICE DEPARTMENT**Salaries**

Cr.

Appropriation	\$ 10,450.00
---------------------	--------------

Dr.

Jeremiah Cullinane, Chief	\$ 2,000.00	
Timothy J. Cullinane	1,700.00	
Patrick J. Long	1,650.00	
Oscar H. Low	1,700.00	
Wm. F. O'Brien	1,700.00	
Francis F. Slack	1,700.00	
		<hr/>
	\$ 10,450.00	\$ 10,450.00

POLICE DEPARTMENT**Special Officers**

Cr.

Appropriation	\$ 100.00
Transferred from Reserve Fund	1,609.92

Dr.

Pay Roll	\$ 1,709.92	
		<hr/>
	\$ 1,709.92	\$ 1,709.92

FIRE DEPARTMENT**Maintenance Expense**

Cr.

Appropriation	\$ 2,200.00
---------------------	-------------

Dr.

Adams Company	\$ 28.42	
American Standard Sales Co.	17.50	
American Railway Express Co.	5.81	
G. P. Anderson	8.00	

E. P. Baneroft	1.50
Bangs Fixture Co.	2.75
David T. Barry	5.25
H. F. Burnham	8.50
H. E. Russell	1.35
Frank Butters	4.40
Cornelius Callahan Co.	349.90
J. J. Cameron	8.15
Central Garage	2.11
M. F. Charles	12.05
R. D. Clapp	10.75
H. O. Copeland & Co.	11.10
E. A. Crosby	5.50
Cummings Express Co.	21.21
A. W. Danforth	1.10
L. W. Dickinson & Son	1.15
Hugh L. Eames	75.00
L. T. Eames	2.95
T. C. Fife	25.46
Francis Brothers	19.63
Simi Geogori	9.50
Gifford Supply Co.	24.00
Hodson Brothers .....	.25
R. M. Hollingshead	6.00
John Street Garage	2.59
Kenney's Service Station	7.08
Knox Motor Associates	263.11
O. F. Kress & Son	37.00
D. J. McHugh .....	.75
Municipal Light Dept.	23.58
Malden & Melrose Gas Light Company	45.74
Merrimac Chemical Co.	8.21
New Eng. Tel. & Tel. Co.	86.78
Pay Roll, Watchmen	24.50
Pratt's Market .....	.80
E. E. Randall	1.50
Reading Garage Inc.	123.51
Reading Motor Co.	4.70
Reading Tire Shop .....	.50
J. W. Reardon	7.50
Ross Gloss Co.	2.84
P. J. Seaman	3.50
Selden Truck & Service Company	484.64
F. F. Smith	3.90
Standard Oil Co.	200.65
S. R. Stenbridge	31.90
W. E. & J. F. Twombly	7.15

Fred Wallace	27.79		
Water Department	6.00		
Wetmore Savage Co.	6.00		
White Company	9.82		
W. H. Willis .....	.20		
Winchester Laundries Inc.	91.94		
Winship, Boit & Co.	15.00		
Total Payments	\$ 2,198.47		
Balance to Revenue	1.53		
	\$ 2,200.00	\$ 2,200.00	

**FIRE DEPARTMENT
Salaries**

	Cr.		
Appropriation		\$ 8,700.00	
	Dr.		
Orville O. Ordway, Chief	\$ 2,000.00		
Hugh L. Eames	1,700.00		
Frank L. McKenney	1,600.00		
John J. O'Brien	1,700.00		
Wm. H. Vanhorn	1,700.00		
	\$ 8,700.00	\$ 8,700.00	

**FIRE DEPARTMENT
Call Men Salaries**

	Cr.		
Appropriation		\$ 2,765.00	
	Dr.		
Pay Roll	\$ 2,747.00		
Balance to Revenue	18.00		
	\$ 2,765.00	\$ 2,765.00	

**Extra Equipment
Cr.**

Appropriation		\$ 290.00	
	Dr.		
Geo. H. Buckminster	\$ 3.73		
Cornelius Callahan Co.	282.75		
J. J. Cameron	2.90		
Total Payments	\$ 289.38		
Balance to Revenue .....	.62		
	\$ 290.00	\$ 290.00	

New Hose**Cr.**

Appropriation		\$	900.00
---------------------	--	----	--------

Dr.

Cornelius Callahan Co.	\$	899.75	
Balance to Revenue .....		.25	
		<hr/>	
	\$	900.00	\$ 900.00

Punch Register**Cr.**

Appropriation		\$	190.00
---------------------	--	----	--------

Dr.

Gamewell Fire Alarm Tel. Co.	\$	175.75	
Balance to Revenue		14.25	
		<hr/>	
	\$	190.00	\$ 190.00

FIRE ALARM**Maintenance—Expense****Cr.**

Appropriation		\$	900.00
---------------------	--	----	--------

Dr.

American Steel & Wire Co.	\$	32.53	
Louis W. Bills		3.80	
Boston & Maine Railroad		1.11	
R. D. Clapp		1.85	
Clapp & Leach		1.40	
L. T. Eames		179.80	
Francis Brothers		7.49	
Gamewell Fire Alarm Tel. Co.		463.52	
Hodson Brothers .....		.95	
Karlin & Schlossberg		9.53	
Merrimac Chemical Co.		9.75	
D. J. McHugh		1.75	
Municipal Light Dept.		80.57	
New England Paint, Oil & Varnish Co.		9.10	
P. J. Seaman .....		.40	
Stewart & Robertson .....		.45	
F. Wallace		10.00	
Western Electric Co.		46.60	
		<hr/>	
Total Payments	\$	860.60	
Balance to Revenue		39.40	
		<hr/>	
	\$	900.00	\$ 900.00

FIRE ALARM**Sup't's Salary****Cr.**

Appropriation		\$	100.00
---------------------	--	----	--------

Dr.

Leonard T. Eames	\$	100.00	
------------------------	----	--------	--

	\$	100.00	\$	100.00
--	----	--------	----	--------

HYDRANT RENTALS**Cr.**

Appropriation		\$	6,060.00
---------------------	--	----	----------

Dr.

Water Department	\$	6,060.00	
------------------------	----	----------	--

	\$	6,060.00	\$	6,060.00
--	----	----------	----	----------

FOREST WARDEN**Cr.**

Appropriation		\$	200.00
---------------------	--	----	--------

Transferred from Reserve Fund			49.81
-------------------------------------	--	--	-------

Dr.

J. W. Austin	\$	11.20	
--------------------	----	-------	--

H. E. Bussell		12.55	
---------------------	--	-------	--

J. J. Cameron		1.00	
---------------------	--	------	--

Cornelius, Calahan Co.		10.46	
-----------------------------	--	-------	--

Clapp & Leach		2.80	
---------------------	--	------	--

A. W. Danforth20	
----------------------	--	-----	--

H. M. Donegan		15.00	
---------------------	--	-------	--

Francis Brothers53	
------------------------	--	-----	--

Hodson Brothers		1.70	
-----------------------	--	------	--

Mass. Div. of the Blind		8.82	
-------------------------------	--	------	--

New Eng. Fire Appliance Company		52.50	
---------------------------------------	--	-------	--

Pay Roll		45.50	
----------------	--	-------	--

Reading Garage Inc.		15.45	
--------------------------	--	-------	--

Reading Motor Co.		36.15	
------------------------	--	-------	--

Reading Tire Shop		5.50	
-------------------------	--	------	--

S. R. Stembridge		14.95	
------------------------	--	-------	--

Clyde M. Simonds		1.50	
------------------------	--	------	--

Fred Wallace		14.00	
--------------------	--	-------	--

Total Payments	\$	249.81	\$	249.81
----------------------	----	--------	----	--------

TREE WARDEN**Cr.**

Appropriation		\$	1,500.00
---------------------	--	----	----------

Dr.

Pay Roll	\$	1,276.00	
----------------	----	----------	--

Wendell Bancroft & Co.		7.20	
-----------------------------	--	------	--

R. D. Clapp	12.90	
Cummings Express Co.	3.85	
H. M. Donegan	25.00	
Francis Brothers	51.77	
George M. Hodgson	4.00	
North Wilmington Nurseries	30.00	
T. C. Thurlow's Sons Inc.	80.00	
Zanni Co.	8.00	
Total Payments	\$ 1,498.72	
Balance to Revenue	1.28	
	<hr/>	<hr/>
	\$ 1,500.00	\$ 1,500.00

MOTH DEPARTMENT

Cr.

Appropriation	\$ 6,400.00
---------------------	-------------

Dr.

Pay Roll	\$ 5,342.42	
Allen Bros.	2.10	
American Railway Ex. Co. ....	.57	
H. W. Batchelder	31.25	
Jos. Breck & Sons Corp.	2.27	
Brewer & Co.	28.38	
Samuel Cabot, Inc.	17.82	
C. W. Crafts	16.75	
Cummings Express Co.	24.02	
H. I. Dallman Co.	20.40	
H. M. Donegan, Rent	96.00	
T. C. Fife	1.35	
Fitzhenry, Guptill Co.	25.37	
Francis Brothers	15.39	
Frost Insecticide Co.	75.00	
Grasselle Chemical Co.	461.74	
Goodyear Tire & Rubber Co.	58.04	
New England Tel. & Tel. Co.	26.58	
Reading Garage Inc.	47.70	
P. J. Seaman	13.80	
Sherwin, Williams Co.	2.05	
W. E. Steinhour	51.35	
W. E. & J. F. Twombly	7.95	
U. S. Post Office	21.72	
Total Payments	\$ 6,390.02	
Balance to Revenue	9.98	
	<hr/>	<hr/>
	\$ 6,400.00	\$ 6,400.00

INSPECTOR OF BUILDING

Cr.

Appropriation		\$	300.00
---------------------	--	----	--------

Dr.

Geo. H. Sidebottom	\$	300.00	
		<hr/>	<hr/>
	\$	300.00	\$ 300.00

INSPECTOR OF PLUMBING

Cr.

Appropriation		\$	700.00
---------------------	--	----	--------

Dr.

David Taggart	\$	700.00	
		<hr/>	<hr/>
	\$	700.00	\$ 700.00

INSPECTOR OF WIRES

Cr.

Appropriation		\$	100.00
---------------------	--	----	--------

Dr.

Arthur G. Sias	\$	100.00	
		<hr/>	<hr/>
	\$	100.00	\$ 100.00

SEALER OF WEIGHTS AND MEASURES

Salary

Cr.

Appropriation		\$	300.00
---------------------	--	----	--------

Dr.

Carl M. Smith	\$	300.00	
		<hr/>	<hr/>
	\$	300.00	\$ 300.00

Expenses

Cr.

Appropriation		\$	100.00
---------------------	--	----	--------

Dr.

American Railway Exp. Co. ....	\$	.47	
Geo. C. Burns		12.00	
Cutter, Wood Supply Co.		2.00	
Dover Stamping Co.		15.00	
Francis Brothers .....		.75	
W. & L. E. Gurley		15.94	
Hobbs & Warren		4.12	

Carl M. Smith	28.50		
W. E. & J. F. Twombly	16.88		
Total Payments	95.66		
Balance to Revenue	4.34		
	\$	100.00	\$ 100.00

INSPECTOR OF MILK
Cr.

Appropriation		\$	100.00
	Dr.		
Carl M. Smith	\$	100.00	
	\$	100.00	\$ 100.00

HEALTH DEPARTMENT
Board of Health—Salaries

	Cr.		
Appropriation		\$	250.00
	Dr.		
Christine F. Atkinson	\$	100.00	
Edw. M. Halligan, M. D.		75.00	
Calvert H. Playdon		75.00	
	\$	250.00	\$ 250.00

Expense
Cr.

Appropriation		\$	250.00
Transferred from Reserve Fund			11.62
	Dr.		
American Railway Express		2.81	
Burnitol Mfg. Co.		6.52	
Cummings Express .....		.70	
George L. Flint		9.00	
Howe & French		2.50	
Diana M. Maloney		100.00	
National Coat & Apron Supply Co.		1.50	
New England Tel. & Tel. Co.		32.48	
City of New York		25.00	
Carl M. Smith		4.53	
W. E. & J. F. Twombly		74.73	
W. H. Willis		1.85	
Total Payments	\$	261.62	\$ 261.62

Care Contagious Diseases**Cr.**

Appropriation		\$ 1,200.00
---------------------	--	-------------

Dr.

City of Malden Contagious Hospital ..	\$ 355.00	
---------------------------------------	-----------	--

North Reading State Sanatorium	242.29	
--------------------------------------	--------	--

Total Payments	597.29	
----------------------	--------	--

Balance to Revenue	602.71	
--------------------------	--------	--

	<hr/>	<hr/>
\$ 1,200.00	\$ 1,200.00	

Garbage Removal**Cr.**

Appropriation		\$ 1,300.00
---------------------	--	-------------

Dr.

Jos. Farpelha	\$ 1,300.00	
---------------------	-------------	--

	<hr/>	<hr/>
\$ 1,300.00	\$ 1,300.00	

INSPECTOR OF ANIMALS**Cr.**

Appropriation		\$ 200.00
---------------------	--	-----------

Dr.

Calvert H. Playdon	\$ 200.00	
--------------------------	-----------	--

	<hr/>	<hr/>
\$ 200.00	\$ 200.00	

**SEWER DEPARTMENT
Construction & Maintenance****Cr.**

Balance from 1921		\$ 3,012.02
-------------------------	--	-------------

Receipts, Betterment assessments		20,560.25
--	--	-----------

Receipts Rentals		529.20
------------------------	--	--------

Dr.

H. H. Kinsley, Treas., Met. Sewer Assessment ..	\$ 9,171.03	
---	-------------	--

H. H. Kinsley, Treas., Insurance	4.85	
--	------	--

Pay Roll	615.86	
----------------	--------	--

Wendell Bancroft & Co.	26.85	
-----------------------------	-------	--

Florence Belleveau	4.00	
--------------------------	------	--

F. A. Bessom	5.00	
--------------------	------	--

H. B. Collins	9.39	
---------------------	------	--

C. W. Crafts	7.25	
--------------------	------	--

Creditors Nat'l Clearing House	5.00	
--------------------------------------	------	--

Cummings Express Co.	3.90	
---------------------------	------	--

T. C. Fife	12.89	
------------------	-------	--

Francis Brothers	1.80	
------------------------	------	--

Frankhill Tire Chain Co.	155.40	
A. D. Gordon	6.50	
Graff-Underwood Co.	2.00	
C. L. Hoffman	160.00	
Hutchins & Wheeler	20.00	
Kenney's Service Station	1.50	
Keuffler & Esser Co. ....	.76	
B. L. Makepeace	40.58	
A. Michelini & Sons	29.00	
New England Tel. & Tel. Co.	7.18	
O. O. Ordway	30.00	
Dana F. Perkins	35.00	
Reading Motor Co.	74.01	
Registry of Motor Vehicles	12.00	
P. J. Seaman	1.75	
F. F. Smith	1.97	
Sullivan Machinery Co. ....	.80	
S. M. Spencer Mfg. Co.	1.97	
Percy N. Sweetser	75.00	
W. E. & J. F. Twombly	85.37	
Waldo Bros. & Bond Co.	135.01	
Yawman & Erbe Mfg. Co.	24.57	
		<hr/>
Total Payments	\$ 10,768.19	
Balance to 1923	13,333.28	
		<hr/>
	\$ 24,101.47	\$ 24,101.47

SEWER DEPARTMENT
House Connections

Cr.

Balance from 1921	\$ 216.30
Receipts, Guarantee, Deposits	6,626.19

Dr.

Refunds, Balance of Deposits	\$ 901.28
Pay Roll	2,576.73
American Railway Express Co. ....	.87
Wendell Baneroft & Co.	36.65
F. W. Barry Beal & Co.	2.03
F. A. Bessom	3.00
H. B. Collins	1.92
Cummings Express	19.35
Eagle Oil & Supply Co.	22.14
T. C. Fife	6.03
Francis Brothers	6.65
General Crushed Stone Co.	21.20
A. D. Gordon	18.25

W. B. Hubbard & Sons Co.	7.37	
J. A. LeFave	18.25	
Library Bureau	8.83	
Lumsden & Van Stone Co.	281.77	
M. M. Mitchell	56.25	
New England Tel. & Tel. Co.	5.93	
Reading Motor Co.	594.87	
G. H. Sampson Co.	1.94	
Self-Propelling Nozzle Co.	40.24	
F. F. Smith	227.89	
S. R. Stembidge	10.49	
Stewart & Robertson	8.80	
Sullivan Machinery Co.	132.87	
Percy N. Sweetser	499.27	
W. E. & J. F. Twombly	202.85	
Waldo Bros. & Bond Co.	163.94	
Wannamaker & Feindel	9.20	
W. H. Willis	1.00	
A. Zanni & Co.	33.00	
		<hr/>
Total Payments	\$ 5,920.86	
Balance to 1923	921.63	
		<hr/>
	\$ 6,842.49	\$ 6,842.49

HIGHWAY DEPARTMENT Maintenance

Cr.

Appropriation	\$ 50,000.00
---------------------	--------------

Dr.

Pay Roll	\$ 14,370.25
American Railway Ex. Co.	4.61
Autocar Sales & Service Co.	2,320.50
Wendell Bancroft & Co.	30.52
E. P. Bancroft	12.00
Barrett Company	9,190.76
Barber Asphalt Co.	420.00
Berger Mfg. Co.	113.29
Boston & Maine Railroad	73.19
Buffalo Steam Roller Co.	4,900.57
Buffalo-Springfield Co.	10.15
Chandler & Farquhar Co.	2.69
C. A. Claffin Co.	4.32
R. D. Clapp .....	.30
H. B. Collins	10.00
E. H. Crowe .....	.50
Cummings Express	28.05

Curry Bros. Oil Co.	62.78
Cutter Wood Supply Co.	7.92
F. O. Dewey Co.	60.00
Dexter & Carpenter, Inc.	279.00
H. I. Dallman Co.	29.78
McPherson Daniel	2.50
S. R. DeMerritt	30.00
L. W. Dickinson & Son	10.00
Dodge, Haley Co.	23.36
Geo. F. Dow, M. D.	2.00
Eagle Oil & Supply Co.	8.44
Eastern Tractor Co.	480.72
T. C. Fife	10.66
Francis Brothers	50.87
Frankhill Tire Chain Co.	61.13
General Crushed Stone Co.	4,699.71
Gifford Supply Co.	7.00
A. D. Gordon	6.75
John D. Green	27.00
Hodson Brothers	45.62
C. L. Hoffman	1,469.31
Hughes Co.	147.87
H. R. Jones	12.00
Kenney's Service Station	126.99
Lumsden & Van Stone Co.	21.55
Municipal Light Dept.	100.49
John Muse	55.50
New England Brick Co.	131.10
New England Paint, Oil & Varnish Co.	17.32
New Eng. Road Machy. Co.	240.00
New England Tel. & Tel. Co.	100.19
John W. Owen	4.32
Puritan Iron Works	48.00
Reading Garage Inc.	239.45
Reading Motor Co.	631.94
Reading Tire Shop	392.10
Registry of Motor Vehieles	10.00
P. J. Seaman	1.20
Alden Spear's Sons Co.	2,690.53
Standard Oil Co.	1,129.23
S. R. Stenbridge	516.08
Stewart & Robertson	2.42
Sullivan Machinery Co.	72.10
Percy N. Sweetser	978.15
W. E. & J. F. Twombly	26.39
Underhay Oil Co.	38.52
Waldo Bros. & Bond Co.	220.41

Geo. E. Warren Corp.	149.00	
City of Woburn	27.00	
Yawman & Erbe Mfg. Co.	102.25	
A. Zanni	20.25	
	<hr/>	
Total Payments	\$ 47,109.60	
Balance to Revenue	2,890.40	
	<hr/>	
	\$ 50,000.00	\$ 50,000.00

Snow & Ice Removal
Cr.

Appropriation		\$ 1,500.00
	Dr.	
Pay Roll	\$ 1,500.00	
	<hr/>	
	\$ 1,500.00	\$ 1,500.00

Cleaning Drainage Ditches
Cr.

Appropriation		\$ 1,000.00
	Dr.	
Pay Roll	\$ 670.96	
Berger Mfg. Co.	65.45	
Cummings Express Co.	6.50	
A. D. Gordon	6.75	
F. F. Smith	232.84	
	<hr/>	
Total Payments	\$ 982.50	
Balance to Revenue	17.50	
	<hr/>	
	\$ 1,000.00	\$ 1,000.00

Street Lighting
Cr.

Appropriation		\$ 15,300.00
	Dr.	
Municipal Light Department	\$ 15,300.00	
	<hr/>	
	\$ 15,300.00	\$ 15,300.00

Drinking Fountains
Cr.

Appropriation		100.00
	Dr.	
Water Department	\$ 100.00	
	<hr/>	
	\$ 100.00	\$ 100.00

POOR DEPARTMENT**Overseers' Salaries**

Cr.

Appropriation		\$	50.00
---------------------	--	----	-------

Dr.

Otis B. Ruggles	\$	16.67	
Chas. P. Howard		16.66	
Wm. S. Kinsley		16.67	

	\$	50.00	\$	50.00
--	----	-------	----	-------

Clerical

Cr.

Appropriation		\$	352.00
---------------------	--	----	--------

Dr.

Leon G. Bent	\$	352.00	
--------------------	----	--------	--

	\$	352.00	\$	352.00
--	----	--------	----	--------

Visitor's Salary

Cr.

Appropriation		\$	400.00
---------------------	--	----	--------

Dr.

Helen A. Brown	\$	400.00	
----------------------	----	--------	--

	\$	400.00	\$	400.00
--	----	--------	----	--------

Outside Relief

Cr.

Appropriation		\$	3,500.00
Transferred from Reserve Fund			2,248.27

Dr.

Cash Payments	\$	1,507.00	
Board Paid		1,176.20	
G. H. Atkinson Co.		491.19	
Wendell Baneroft & Co.		87.00	
H. C. Bates		2.00	
L. G. Bent		2.00	
City of Boston		45.71	
Mrs. C. Boyce		10.00	
Helen A. Brown		47.68	
Wm. J. Brown, M. D.		12.00	
Chase & Finnegan		6.00	
Clapp & Leach		1.80	
Cummings Express Co.		3.00	
Geo. F. Dow, M. D.		79.00	
Edgerley & Bessom		29.00	

T. C. Fife	5.65	
Mrs. C. M. Frost	25.15	
Andrew Gallant	16.83	
A. D. Gordon	7.50	
E. M. Halligan, M. D.	132.00	
E. W. Hancock	40.95	
Hobbs & Warren	3.64	
Lewis C. Holden	12.00	
Indian Head Farm	90.74	
F. N. Joslin & Co.	16.00	
Lyceum Hall Association	16.00	
Massachusetts General Hospital	466.65	
Commonwealth of Mass.	561.57	
Town of Marblehead	7.50	
Pratt's Market	31.45	
James Putnam .....	.80	
Reading Dental Clinic	1.05	
E. D. Richmond, M. D.	21.00	
Town of Rockport	170.00	
F. L. Smalley, M. D.	66.00	
Percy N. Sweetser	138.55	
O. P. Symonds & Sons	17.00	
Arthur W. Temple	276.00	
W. E. & J. F. Twombly	2.00	
F. Wallace	215.29	
E. F. Weafer	40.00	
E. H. Wells, M. D.	25.00	
Mrs. A. Wichland	101.82	
W. H. Willis	3.90	
Nathan Wopler	265.00	
Total Payments	\$ 6,276.72	
Overdraft to 1923		528.45
	<hr/>	<hr/>
	\$ 6,276.72	\$ 6,276.72

POOR DEPARTMENT
Town Home, Board and Care

Cr.		
Appropriation		\$ 2,500.00
Dr.		
C. L. Deming, Board	\$ 2,128.64	
Adams Company	12.40	
H. O. Copeland & Co.	2.00	
C. L. Deming, Expense	2.00	
A. D. Gordon	1.75	
Municipal Light Dept.	77.74	

New England Tel. & Tel. Co.	57.88		
E. D. Richmond, M. D.	42.00		
F. L. Smalley, M. D.	9.00		
Water Department	36.20		
Total Payments	\$ 2,369.61		
Balance to Revenue	130.39		
	\$ 2,500.00	\$ 2,500.00	

MOTHERS' AID, TOWN OF READING

(Chap. 118, Gen. Laws)

Cr.

Appropriation	\$ 1,500.00
Transferred from Reserve Fund	386.88

Dr.

Cash Payments	\$ 1,716.00		
Wendell Bancroft & Co.	23.84		
Indian Head Farm	65.49		
Melrose Hospital	3.33		
Reading Dental Clinic .....	.70		
F. L. Smalley, M. D.	56.66		
Percy N. Sweetser	20.66		
Total Payments	\$ 1,886.88	\$ 1,886.88	

MOTHERS' AID, COMM. OF MASS.

(Chap. 118, Gen. Laws)

Cr.

Appropriation	\$ 2,500.00
---------------------	-------------

Dr.

Cash Payments	\$ 2,053.00		
Wendell Bancroft & Co.	51.46		
Helen A. Brown	13.50		
Mabel M. Brown	1.05		
George F. Dow, M. D.	1.00		
E. M. Halligan, M. D.	210.00		
Indian Head Farm	32.85		
Melrose Hospital	1.67		
Reading Dental Clinic .....	.35		
F. L. Smalley, M. D.	28.34		
Percy N. Sweetser	72.34		
Total Payments	\$ 2,465.56		
Balance to Revenue	34.44		
	\$ 2,500.00	\$ 2,500.00	

Note: To be reimbursed by Commonwealth.

TEMPORARY AID, COMM. OF MASS.
(Chap. 117, Sec. 18, General Laws)

Cr.

Appropriation \$ 1,800.00

Dr.

Cash Payments	\$	897.75
G. H. Atkinson Co.		322.12
Wendell Bancroft & Co.		90.50
Geo. F. Dow, M. D.		7.00
Patrick Leary		50.28
Mrs. John Murray		258.00
Reading Dental Clinic .....		.70
Percy N. Sweetser		87.10
O. P. Symonds & Son		18.00

Total Payments	1,731.45
Balance to Revenue	68.55

\$ 1,800.00	\$ 1,800.00
-------------	-------------

STATE AID
Chap. 115, Gen. Laws

Cr.

Appropriation \$ 700.00

Dr.

Cash Payments, account Civil War	\$	602.00
Balance to Revenue		98.00

\$ 700.00	\$ 700.00
-----------	-----------

MILITARY AID
Chap. 115, Gen. Laws

Cr.

Appropriation \$ 500.00

Dr.

Cash payments:

Account Spanish War	\$	260.00
Account World War		30.00
Balance to Revenue		210.00

\$ 500.00	\$ 500.00
-----------	-----------

SOLDIERS' RELIEF
Chap. 115, Gen. Laws

Cr.

Appropriation	\$ 3,000.00
Transfer from Reserve Fund	877.17

Dr.

Cash Payments:

Account Civil War	\$ 1,025.00	
Account Spanish War	1,152.00	
Account World War	1,443.00	
Wendell Bancroft & Co., account World War ..	20.00	
Co-operative Gro. Co., account World War	52.14	
F. F. Smith account World War	170.00	
Percy N. Sweetser, account World War	8.25	
Fred Wallace, account World War	6.78	
Total Payments	\$ 3,877.17	\$ 3,877.17

SCHOOL DEPARTMENT**Salaries, General Account**

Cr.

Appropriation		\$101,600.00
---------------------	--	--------------

Dr.

Supt., Teachers & Clerical Pay Roll	\$ 93,491.00	
Mabel M. Brown School Nurse	1,500.00	
C. R. Henderson, M. D., medical inspection	350.00	
E. L. Hutchinson, Attendance Officer	210.00	
Janitors, Pay Roll	6,049.00	
Total Payments	\$101,600.00	\$101,600.00

General Account—Maintenance

Cr.

Appropriation, Mar. 13, 1922	\$ 26,000.00
Appropriation, Dec. 4, 1922	2,500.00

Dr.

G. H. Adams Co.	\$ 570.00
Adams Co.	1.96
Allen Shade Holder Co.	214.23
Albrecht Co.	5.00
Allyn & Bacon	58.04
American Book Co.	386.48
American Railway Express Co.	44.87
Andrews Paper Co.	7.50
G. H. Atkinson Co.	518.82
Atlantic Radio Co.	6.20
E. V. Atwood	10.50
E. E. Babb Co.	535.84
Wendell Bancroft & Co.	126.16
Bangs Fixture Co.	4.50
Barrett Co.	10.50
F. J. Barnard & Co.	180.86
H. M. Barton	18.06
Peter Becker	10.00

M. M. Brown	6.75
Beckley Cardy Co.	7.63
Berry-Withington Co.	12.63
Jos. Breck & Sons, Corp.	15.00
C. C. Burchard & Co.	70.22
Robert P. Burgess	5.00
Bruce Publishing Co.	64.30
Cambridge Botanical Supply Co.	234.53
Cudahy Packing Co.	22.91
Century Company	24.21
M. F. Charles	9.15
Clapp & Leach	174.21
R. D. Clapp	72.05
B. W. Craig Scenic Co.	200.00
F. M. Crosby	11.00
Colonial Sculpture Co.	50.00
Cummings Express Co.	147.77
Chas. M. Cullinane	58.00
H. C. Copeland Co.	4.64
J. Cuneo & Co.	18.03
H. I. Dallman Co.	352.18
Mathew Devaney	161.50
Dodd Mead & Co.	12.16
E. P. Dutton Co.	2.88
Eastern Mass. Street Railway Co.	950.00
Edgerley & Bessom	4.00
Estabrook Steel Pens	54.31
John Farquhar's Sons, Inc.	328.00
F. C. Fife	1,341.80
Francis Brothers	83.58
Ginn & Company	1,015.02
Clement Gleason	2.00
E. W. Goodrich	8.60
Government Printing Office	7.94
Graphic Dup. Co.	10.78
F. E. Gray, P. M.	20.00
Gregg Publishing Co.	54.25
E. M. Halligan, M. D.	20.00
J. L. Hammett Co.	1,467.57
Harris & Gilpatrick	120.25
Norman C. Haynes Co.	133.04
D. C. Heath & Co.	108.39
Heywood-Wakefield Co.	515.35
Highway Department	167.64
Hodson Brothers	979.28
Hodge Boiler Works	8.90
Houghton Mifflin Co.	188.87

Howe & French	158.86
E. A. Hurd	4.00
Iroquois Publishing Co.	13.46
F. J. Jameson	58.75
Jewell & Andrews	53.75
Jones, McDuffee & Stratton	23.40
Iver Johnson Sporting Goods Co.	2.55
Jordan Marsh Co.	6.90
Journal of Education	3.00
Kenney Bros. & Wolkins Co.	45.85
Chas. Knapp, Sec'y	4.00
L. E. Knott Apparatus Co.	51.97
Theodor Kundtz Co.	200.70
Rita Lalaise .....	.30
Annie M. Lane	17.50
Laidlaw Bros.	59.49
Chas. E. Lauriat Co.	55.25
B. J. Leathers	4.50
J. B. Lippincott Co.	9.25
Livingstone & Doyle	9.00
Lyons & Carnahan	107.64
Macey-Morris Co.	591.11
MacMillan Co.	104.44
B. L. Makepeace Inc.	38.05
Malden-Melrose Gas Light Co.	160.02
Myrtle Mansfield	12.00
Massachusetts Bible Society	20.35
Massachusetts Soc. Mental Hygiene	15.00
Massachusetts Tuberculosis League	26.75
Milton, Bradley Co.	628.83
Masury Young Co.	134.40
J. M. Maxwell Jr. & Sons	35.21
H. B. McArdle	162.70
H. R. McIntire	1.50
Chas. E. Merrill Co.	41.08
H. M. Meserve & Co.	221.07
Metropolitan Paint Co.	63.75
J. M. Minnihan	1.00
H. Q. Millett	40.00
Modern Hospital Publishing Co.	3.00
Municipal Light Dept.	585.80
J. A. Murphy	13.50
National Education Association	5.00
National Case & Carton Co.	10.00
National School Digest	5.00
New England Tel. & Tel. Co.	433.46
Nutrition Clinic, Inc.	2.85

New England Publishing Co.	6.00
Office Appliance Co.	20.57
Old Corner Book Store	61.45
Oliver Ditson Co.	55.41
J. C. Oxley	3.10
Palmer Company	1.41
Palmer, Parker & Co.	68.69
Parker & Page Co.	93.16
Peerless Supply Co.	17.58
Dana F. Perkins	25.00
Pettingell-Andrews Co.	45.33
Pierpont & Harris	10.34
Popular Mechanics	3.00
Popular Science Monthly	1.80
Public School Publishing Co.	10.12
Police Department	2.50
Daniel Pratts' Sons	65.00
G. P. Putnam & Sons	85.49
Rand McNally & Co.	74.81
Royal Typewriter Co.	191.10
Reading Public Market	18.19
Reading Radio Shop	10.00
Reading Custom Laundry Inc.	5.36
Regents Publishing Co.	5.48
Remington Typewriter Co.	6.92
W. A. Rich	38.30
Rockport Fish Market	19.10
Roland Press Co.	1.75
H. M. Rowe Co.	16.54
Ryan & Buker Co.	82.54
Benj. H. Sanborn & Co.	81.18
Sanford Mills	6.89
H. A. Shepard & Co.	54.45
Schools Art Magazine	3.00
P. J. Seaman	12.00
Sewer Department	763.38
Science Press	6.00
Simmons Peckham & Co., Inc.	8.53
Scott, Foresman Co.	61.03
Chas. Scribner & Sons	29.32
Silver, Burdett & Co.	116.41
H. E. Slocumb	42.00
F. F. Smith	2.40
Standard Book Co.	6.00
Standard Chemical & S. Co.	12.20
Standard Office Machinery Co.	3.06
A. T. Stearns Lumber Co.	74.67

S. R. Stenbridge	33.95
Stewart & Robertson	1,898.17
John Stewart	79.63
Standard Elec. Time Co.	32.94
Stone & Forsythe Co.	12.50
The Survey	5.00
Percy N. Sweetser	5,700.23
O. P. Symonds & Sons	7.00
L. T. Tarpin	2.66
Textile Soap Co.	29.17
A. T. Thompson Co.	3.50
J. H. Thurston	1.00
Harold Towle	5.00
Tree Warden Dept.	45.50
W. E. & J. F. Twombly	206.92
Underwood Typewriter Co.	187.50
University of Chicago	10.50
Fred Wallace	35.77
Ward's Stationers	1.87
Water Department	410.25
Wales Adding Machine Co.	7.14
Webster Publishing Co.	5.41
John N. Weston	12.10
William H. Willis	12.45
White Son Co.	3.50
Fannie C. Whittemore	12.50
Whitcomb & Barrows	31.68
Williams Bookstores Co.	102.40
H. W. Wilson Co.	21.00
A. J. Wilkinson & Co.	81.34
Winchester Laundries Inc.	1.47
J. C. Winston Co.	172.40
Wireless Press, Inc.	3.69
Woburn-Reading Bus Line	120.00
George F. Wood	187.50
World Book Co.	207.66
Woman's Ed. & Industrial Union	3.15
Wright & Potter Ptg. Co.	6.11
Wright & Ditson	14.60
Wrought Iron Range Co.	28.89
G. H. Worcester & Co.	52.15
Mary N. Yaffe	21.60
A. Zanni	71.40
<hr/>	
Total Payments	\$ 28,499.59
Balance to Revenue .....	.41
<hr/>	
	\$ 28,500.00 \$ 28,500.00

Salaries, Agricultural Account

Cr.

Appropriation	\$ 4,000.00
Smith Hughes Fund 1921	221.69
Smith Hughes Fund 1922	179.46

Dr.

Supt. & Teachers' Pay Roll	\$ 3,829.67
Janitors' Pay Roll	533.00
Total Payments	\$ 4,362.67
Balance to Revenue	38.48
	<hr/>
	\$ 4,401.15
	<hr/>
	\$ 4,401.15

Agricultural Account—Maintenance

Cr.

Appropriation	\$ 900.00
---------------------	-----------

Dr.

American Railway Ex. Co.	\$ 5.59
Wendell Bancroft & Co.	32.91
Stewart P. Batchelder	1.60
J. C. Black	8.00
Jos. Breck & Sons	91.15
Central Scientific Co.	1.13
C. W. Crafts	13.75
Cummings Express Co.	7.00
Davis & Abbott .....	.80
Doubleday Page Co.	6.00
Francis Brothers	57.04
Ginn & Company	1.08
Isaac Gleason	15.00
Thos. Groom & Co.	22.50
Ralph Harris .....	.80
Heywood-Wakefield Co.	198.00
Howe & French Inc. ....	.92
Chas. E. Lauriat Co.	4.30
J. B. Lippincott Co.	77.16
Lovell & Hall	7.26
Lyons & Carnahan	10.14
Jennie Mackie	3.60
Macmillan Co.	12.90
Malden & Melrose Gas Light Co.	12.73
Market Growers Journal	1.50
New England Tel. & Tel. Co.	5.00
E. P. Nostrand	7.50
Orange Judd Publishing Co.	3.02

J. C. Oxley	8.32		
Reliable Poultry Journal Publishing Co.	7.15		
Rural New Yorker	1.00		
H. A. Shepard & Co.	66.20		
Fred F. Smith	12.80		
Spaulding, Moss & Co.	2.80		
Standard Tester Co.	10.50		
A. T. Thompson Co.	87.60		
W. E. & J. F. Twombly	60.00		
Geo. H. Ward	6.00		
Webb Publishing Co.	2.67		
John Wiley & Sons Inc.	8.20		
A. J. Wilkinson & Co.	9.00		
Williams Bookstores Co.	3.38		
Total Payments	\$ 894.00		
Balance to Revenue	6.00		
		\$ 900.00	\$ 900.00

Vocational Tuition

Cr.

Appropriation		\$ 300.00	
Transfer from Reserve Fund		72.67	

Dr.

City of Boston	\$ 110.46		
City of Somerville	153.81		
Town of Stoneham	41.40		
Town of Wakefield	67.00		
		\$ 372.67	\$ 372.67

PUBLIC LIBRARY—Salaries

Cr.

Appropriation		\$ 1,550.00	
---------------------	--	-------------	--

Dr.

Bertha L. Brown	\$ 571.96		
Grace J. Abbott	364.00		
Harriette M. Pratt	71.63		
Agnes McDonald	19.00		
Chas. H. Stinchfield	521.41		
Total Payments	\$ 1,548.00		
Balance to Revenue	2.00		
		\$ 1,550.00	\$ 1,550.00

Maintenance
Cr.

Appropriation \$ 2,250.00

Dr.

Richard G. Badger	\$ 5.06	
F. J. Barnard & Co.	44.25	
N. J. Bartlett & Co.	12.00	
R. R. Bowker & Co.	2.50	
Bertha L. Brown, expense	40.12	
Braen-Heusser Ptg. & Sta. Company	2.93	
Bureau of C. & M. A.	2.50	
F. A. Butters	2.22	
R. D. Clapp	5.00	
Clapp & Leach	6.43	
Commonwealth of Mass.	2.00	
Crowley Inc.	82.50	
E. B. Currell & Sons	3.99	
Empire New England Co.	57.50	
Experimenter Pub. Co.	2.50	
O. W. Felch	50.95	
T. C. Fife	5.00	
Francis Brothers	83.25	
Ginn & Company	7.66	
Highway Department	19.18	
H. R. Huntting & Co.	123.19	
Library Bureau	29.04	
J. H. MacLellan	81.50	
Massachusetts State Prison	5.96	
Municipal Light Dept.	105.71	
Old Corner Book Store	1,123.27	
Sewer Department	1.50	
Stewart & Robertson	78.00	
Percy N. Sweetser	165.63	
W. E. & J. F. Twombly	58.90	
Chas. Wakefield	18.00	
Water Department	3.00	
H. W. Wilson Co.	18.60	
<hr/>		
Total Payments	\$ 2,249.84	
Balance to Revenue .....	.16	
<hr/>		
	\$ 2,250.00	\$ 2,250.00

PARK DEPARTMENT

Care, Common, Parks & Supervised Play

Cr.

Appropriation \$ 1,463.33

Dr.

Miss E. McKernon	\$	299.97	
J. R. Bahn		166.65	
Chester Putnam		100.00	
Pay Roll		357.54	
Chas. A. Berry		115.20	
F. W. Cail		9.00	
R. D. Clapp		9.15	
E. B. Currell & Son		29.85	
Cummings Express Co. ....		.50	
Dexter Bros. Co.		8.73	
Francis Brothers		3.80	
A. D. Gordon		6.00	
Hodson Brothers		5.00	
W. H. Manning		33.33	
George W. Marshall		1.10	
New England Tel. & Tel. ....		.20	
F. F. Smith		20.08	
Tree Warden		67.79	
<hr/>			
Total Payments	\$	1,233.89	
Balance to Revenue		229.44	
<hr/>			
	\$	1,463.33	\$ 1,463.33

LAUREL HILL CEMETERY

Cr.

Appropriation	\$	4,124.59
Transferred from Cemetery Reserve Fund		1,639.08
Interest, Cemetery Bequest		1,100.00
Royal Indemnity Co.		25.12

Dr.

Pay Roll	\$	5,141.44
Adams, Cushing & Foster		2.95
American Railway Express Co. ....		.86
M. E. Andrews		5.18
Arco. Tire Co.		62.07
Atlantic Marine Exchange		29.12
Barrett Company		5.75
Jos. Breck & Sons, Corp'n		38.10
Henry Carroll		390.00
Certified Spark Plug Co.		6.00
M. F. Charles		3.05
Cummings Express Co.		4.50
S. H. Davis & Co.		30.63
Dyer Company		23.80
F. E. & E. L. Emery		41.00

H. A. Feindel	46.07	
Francis Brothers	37.54	
A. E. Goodwin	17.87	
Thos. Harmsworth	5.00	
Hodson Brothers	2.07	
J. B. Hunter Co.	51.00	
Metcalf Store .....	.80	
F. W. Moulton	4.00	
Municipal Light Dept.	174.07	
New England Tel. & Tel. Co.	58.82	
Dana F. Perkins	15.00	
Raymond Syndicate	15.53	
Reading Garage Inc.	95.27	
Reading Motor Co.	16.88	
Reading Tire Shop	24.50	
Registry of Motor Vehicles	4.00	
E. D. Richmond, M. D.	7.00	
Salem St. Service Station	5.00	
P. J. Seaman	6.00	
Standard Tire & Rubber Co.	41.57	
Percy N. Sweetser	208.25	
W. E. & J. F. Twombly	69.40	
Water Department	58.70	
James Webb	20.00	
Estate of Jason Zwicker	120.00	
	<hr/>	
	\$ 6,888.79	\$ 6,888.79

MEMORIAL DAY OBSERVANCE

Cr.		
Appropriation		\$ 300.00
Dr.		
Lydia Bixby Tent No. 60, D. of V.	\$ 22.82	
Reading Brass Band	75.00	
W. E. & J. F. Twombly	1.45	
Veteran Post 194, G. A. R.	20.73	
John N. Weston	142.00	
Jas. F. Whitton	2.00	
	<hr/>	
Total Payments	\$ 264.00	
Balance to Revenue	36.00	
	<hr/>	
	\$ 300.00	\$ 300.00

DRAINAGE SYSTEM SURVEY

Cr.		
Appropriation		\$ 3,500.00

Dr.

F. A. Barbour	\$ 1,000.00	
Balance to 1923	2,500.00	
	<hr/>	<hr/>
	\$ 3,500.00	\$ 3,500.00

RENT OF PLAYGROUND

Cr.

Appropriation		\$ 342.00
---------------------	--	-----------

Dr.

Delia E. Sweetser	\$ 342.00	
	<hr/>	<hr/>
	\$ 342.00	\$ 342.00

PAINTING MUNICIPAL BUILDING

Cr.

Appropriation		\$ 400.00
---------------------	--	-----------

Dr.

Harvey Quigley	\$ 100.00	
Balance to 1923	300.00	
	<hr/>	<hr/>
	\$ 400.00	\$ 400.00

WATER DEPARTMENT

Cr.

Balance from 1921		\$ 6,312.92
Receipts, Meter Rates, etc., 1922		37,193.51

Dr.

Bond Payments	\$ 9,000.00
Interest Payments	3,942.50
Pay Roll	11,132.40
Adams Co.	4.30
Allen Brothers	5.11
American Gauge & Valve Co.	3.96
American Oil & Gasoline Co.	11.58
American Railway Ex. Co.	28.41
Amstaco	3.18
G. H. Atkinson Co.	11.35
Austin & Doten	6.50
W. Bancroft Co.	5.34
Banker & Tradesman	14.00
F. W. Barry, Beale & Co.	28.80
Bates Motor Sales Co.	149.03
Bay State Belting Co.	22.09
Geo. E. Belcher Mach. Co.	33.95
Florence Belleveau	17.12
Bingham & Taylor .....	.71

F. H. Blackbird	1.75
Boston & Maine R. R. Co.	394.95
Braman, Dow & Co.	736.31
Bristol Co. ....	.36
Builders Iron Foundry	39.48
A. S. Canty	5.60
Geo. N. Caldwell Co.	1.95
Cash Payments	1.50
Castner, Curran & Bullitt	609.77
Chadwick, Boston Lead Co.	27.00
Chandler & Farquhar Co.	26.71
Chapman Valve Mfg. Co.	35.52
M. F. Charles	17.37
A. W. Chesterton & Co.	2.55
R. D. Clapp .....	.95
C. W. Crafts	1.15
Creditor's National Clearing House	80.00
Cummings Express Co.	77.45
Curry Bros. Oil Co.	17.47
Dennison Mfg. Co.	9.27
Dexter Bros. Co.	109.48
Dodge Sales & Eng. Co.	31.75
Eagle Oil Supply Co.	334.59
Economy Lubricating Co.	14.00
Elliott Co.	30.08
Engineering News Record	8.00
Fairbanks Co.	70.35
T. C. Fife	32.56
Frank E. Fitts	1.35
Flax Mfg. Co.	6.93
Fonda Lime Kilns	340.00
Francis Brothers	11.44
Gamon Meter Co.	35.35
John W. Goff & Co.	539.03
A. D. Gordon	26.00
Graff Underwood Co.	4.00
Thos. Groom & Co.	7.07
E. C. Hanscom	23.49
E. W. Hatch	28.19
Hersey Mfg. Co.	99.55
Hill, Smith & Co.	2.17
Hodson Brothers	11.80
Jenkins Brothers	12.87
Wm. A. Jepson Corp.	272.63
Kenney's Service Station	2.80
H. H. Kinsley, Ins. Acct.	440.87
G. W. Knowlton Rubber Co.	9.59

Lawrence Machine Co.	44.30
Library Bureau	54.43
Lumsden & Van Stone Co.	258.08
Lynd-Farquhar Co.	43.60
J. M. Maxwell Jr. & Sons	73.60
Merrimac Chemical Co.	967.84
Metcalf Store .....	.84
H. B. McArdle	42.85
H. Mueller Mfg. Co.	237.34
Municipal Light Dept.	1,845.86
National Meter Co.	903.14
Neptune Meter Co.	17.27
New Jersey Wire Cloth Co.	2.20
New England Tel. & Tel. Co.	156.84
New England Supply Co.	8.80
Norwood Engineering Co.	38.13
O. O. Ordway	42.25
Pinkham & Smith	3.10
Prentiss & Parker	47.70
Reading Motor Co.	71.64
Reading Tire Shop	103.50
Red Hed Mfg. Co.	99.60
Registry of Motor Vehicles	6.00
Reliance Ribbon & Carbon Co.	18.33
Rensselaer Valve Co.	193.92
P. J. Seaman	5.25
Benj. W. Smith	22.55
F. F. Smith	19.19
Geo. H. Snell	48.18
Soapitor Co.	20.29
S. M. Spencer Mfg. Co.	12.52
Standard Oil Co.	261.00
Standard Envelopes Sealer Mfg. Co.	2.04
Stewart & Robertson	3.05
Sullivan Machinery Co.	72.15
Sumner & Dunbar	15.11
Percy N. Sweetser	33.84
Thomson Meter Co.	31.33
Thorp & Martin Co.	33.80
W. E. & J. F. Twombly	358.36
Underwood Typewriter Co.	4.98
F. E. Gray, P. M. U. S. Post Office	133.40
Union Water Meter Co.	446.73
Waldo Bros. & Bond Co.	37.07
Walworth Mfg. Co.	12.96
Ware Coupling & Nipple Co.	42.34
G. E. Warren Corp.	877.29

West Somerville Typewriter Exchange	4.00	
W. H. Willis	1.80	
Woburn Machine Co.	30.03	
Worthington Pump & Mach. Co.	10.69	
Yawman & Erbe Mfg. Co.	48.10	
		<hr/>
Total Payments	\$ 36,872.62	
Balance to 1923	6,633.81	
		<hr/>
	\$ 43,506.43	\$ 43,506.43

MUNICIPAL LIGHT DEPARTMENT

Cr.

Cash on hand Jan. 1, 1922	\$ 3,506.09
Notes issued 1922	7,000.00
Loan, H. H. Kinsley, Treas., 1922	10,000.00
Receipts, Light, Power, etc.	169,230.43
Interest accrued	2.47

Dr.

H. H. Kinsley, Treas. payment of 1921 loan ...	\$ 6,800.00
H. H. Kinsley, Treas., payment of 1922 loan ...	10,000.00
Note & Bond payments	16,800.00
Interest	7,008.87
Pay Roll	49,356.57
Petty Cash	636.41
H. L. Abbott	6.25
Aeme Elec. Heating Co.	27.95
Addressograph Co.	75.03
Ajax Rubber Co.	328.25
Alberger Pump & Condenser Co.	403.78
Albert & J. M. Anderson	16.55
American Railway Express Co.	104.03
American Elec. Service & Maint. Co.	181.00
Atlantic Awning & Dec. Co.	16.05
Areo Tire Co.	27.70
Harry P. Baker	62.00
W. Bancroft Co.	77.02
Barrett Company	23.52
H. C. Barrows	68.50
James R. Barrie	1.50
S. J. Basker Shoe Co.	1.19
Bates Motor Sales Co.	118.18
Beaudette & Graham Co.	17.13
A. M. Berger F. & M. Supply Co.	100.00
Bird Hill Garage	13.50
Boston Lumber Co.	1,607.83
Boston & Maine Railroad	5,204.64

C. Bowen	1.55
Braman Dow & Co.	187.29
Jos. Breck & Sons Corp.	23.22
C. I. Brink	56.50
Bristol Co.	4.12
Bundy Steam Trap Co.	9.76
Browne Bros.	977.31
O. A. Bursiell, Sec.	14.25
Geo. H. Buckminster Co.	2,076.49
Cambridge Auto Parts Co.	7.00
J. J. Cameron	2.70
Harry J. Carroll	224.70
Castner, Curran & Bullitt	25,961.81
Central Garage Repair Shop	471.36
Chandler & Farquhar Co.	23.73
M. F. Charles	50.53
A. W. Chesterton & Co.	17.33
Clapp & Leach	837.43
Columbia Lamp Division	3,010.87
Condit Elec. Mfg. Co.	911.71
Cronkwhite-Sands Co.	84.98
E. B. Currell & Sons	59.40
Cummings Express Co.	218.09
Cutter Wood Supply Co.	12.44
Cutler-Hammer Mfg. Co. ....	.70
Frank E. Crafts	13.00
Crandall Packing Co.	17.70
H. I. Dallman Co.	46.58
George W. Davis Co.	719.18
Dexter & Carpenter	496.74
L. W. Dickinson & Sons	99.85
D. M. Dillon Steam Boiler Works	70.30
F. P. Driver	24.00
M. W. Dinton & Co.	30.00
Eagle Oil & Supply Co.	8.64
E. W. Eames	160.00
Eastern Mass. St. Ry. Co.	67.02
Eastern Specialty Co.	1.00
Electric Blower Co.	24.80
George E. Eaton	47.70
Electric Mach. & Inst. Co.	321.40
Electric Welding Co.	1.00
Electrical Record	3.00
Electrical Review & Ind. Eng.	3.00
Electrical Merchandising Co.	3.00
M. A. Esner	74.05
Electrical World	12.00

Eureka Vacuum Cleaner Co.	334.30
Emerson & Co.	2.15
Engineering Supply Co.	166.80
Herbert G. Evans	75.00
Fairbanks Co.	33.41
T. C. Fife	31.13
R. J. Fisher	13.31
G. H. Flint	1.75
E. K. Flood	112.60
Foster, McDonald Co.	558.82
Francis Brothers	282.73
Fort Wayne Elec. Mfg. Co.	1.97
Garlock Packing Co.	32.76
General Electric Co.	5,319.67
Globe Stove & Range Co.	17.55
Globe Gas Light Co.	3.59
Harris Goldplate	50.00
A. D. Gordon	33.75
George B. Graff Co.	2.00
James W. Gray	2.29
Thomas Groom & Co.	13.21
Grow Tire Co.	46.93
E. W. Ham Elec. Co.	2,128.19
Margaret Hanniford	6.25
F. S. Hardy Co.	836.53
W. S. Harlow	1.50
Harvard Envelope Co.	3.58
Hayes Pump & Machinery Co.	260.00
Carroll R. Heath	210.00
H. S. Hartwell & Son, Inc.	645.66
Hodson Brothers	3.62
Hobbs & Warren	18.93
Hodge Boiler Works	7.50
Thomas Hickey	818.60
Howe & French	6.75
Hoover Suction Sweeper Co.	78.80
E. L. Howe	10.45
Hutchins & Wheeler	45.00
India Alkali Works	27.55
C. L. Jeans & Co.	352.25
W. J. Jeandron Co.	14.26
Jenkins Bros.	44.23
John Jennings	355.00
W. A. Jepson Co.	894.92
John St. Garage	19.10
Johns-Manville Co.	121.94
David C. Justice	6.90

Jas. E. Kelly	15.00
Kendall's Garage	37.50
Kenney's Service Station	10.95
H. H. Kinsley, Treas., State Tax	77.15
H. H. Kinsley, Treas., Ins. Acct.	642.25
Davis Klemis	50.00
Landers Frary & Clark	8.00
Chas. I. Lassell	48.99
Lewis Elec. Supply Co.	106.06
Library Bureau	89.79
R. W. Linseott	133.64
Arthur D. Little, Inc.	36.00
J. E. Lonergan Co.	1.29
Wm. G. Long	75.00
Lunkenhiemer Co.	5.45
Lundstrom-Smith Co.	3.81
Lydon Mfg. Co.	5.00
Lynnfield, Town of	367.30
Manning & Bowman	1.57
George W. Marshall	1.05
A. E. Martell Co.	27.03
Mathias-Hart Co.	114.61
J. M. Maxwell Jr. & Son	1,755.82
H. B. McArdle	64.40
S. R. McIntosh	4.00
McKenney & Waterbury	81.20
Miller P. H. & H. Co.	1.85
Meloney Elec. Co.	80.68
Miley Soap Co.	24.50
Municipal Lighting Association	10.00
Municipal Light Plant, Rowley	165.00
Munson Supply Co.	6.50
New England Products Co.	76.21
New England Coal & Coke Co.	1,781.81
New England Appliance Co.	64.60
New England Iron Works Co.	75.95
North Reading Wagon Co.	24.00
New England Tel. & Tel. Co.	661.26
A. Newham	4.00
E. E. Nichols	20.00
North Reading, Town of	142.80
W. R. Patten	19.00
Peabody Elec. Light Plant	48.48
John W. Perry	4.10
Perrin-Seamans Co.	5.00
R. V. Pettingell Elec. Supply Co.	38.77
Pettingell-Andrews Co.	5,310.42

Oscar Philips	2.00
Pocahontas Fuel Co. Inc.	2,302.40
Prentiss & Parker	4,189.49
Production Engineering Co.	5.00
Quaker City Range Co.	13.65
Reading Garage Inc.	314.60
Reading Motor Co.	747.61
Reading Rubber Mfg. Co.	535.08
Reading Tire Shop	55.03
L. B. Renfrew Gray	45.65
Registry of Motor Vehicles	20.00
Russell Coal Co.	662.87
Robbins-Phalow Co.	818.91
Samuel Role	50.00
Roover Bros.	8.78
Royal Typewriter Co.	2.50
P. J. Seaman	27.95
Thos. S. Sidelinker	350.00
Simplex Elec. & Heating Co.	21.18
Simplex Wire & Cable Co.	297.41
Chas. N. Smart	13.00
F. F. Smith	68.88
Standard Chemical Supply Co.	18.29
Standard Elec. Stove Co.	256.83
Standard Oil Co.	1,265.89
Chas. E. Stanwood	643.46
Star Brass Mfg. Co.	5.77
S. R. Stenbridge	781.38
Stewart & Robertson .....	.75
P. J. Stockwell	37.25
Stuart Howland Co.	2,883.55
A. G. Sias, Expense	32.45
Society for Elec. Development	47.30
Spaulding Moss Co.	18.57
Spencer Regulator Co.	9.55
Percy N. Sweetser	1,596.01
J. S. Temple Co.	232.50
Thorp & Martin Co.	4.80
Triangle Sales & Service Co.	40.70
Frederick A. Turner	6.40
W. E. & J. F. Twombly	790.32
U. S. Post Office	720.06
Vacuum Oil Co.	41.78
Vulcan Elec. & Heating Co.	8.59
Wagner Elec. Mfg. Co.	739.12
George H. Wahn Co.	35.96
Wakefield Radiator Co.	54.58

Waldo Bros. & Bond Co.	42.94	
F. Wallace	1.10	
Wales Adding Machine Co.	4.20	
Water Department	80.00	
Waterproof Paint & Varnish Co.	387.90	
Waters Governor Co.	13.26	
Webster Thomas Co.	112.50	
A. Werby & Co.	40.00	
Western Elec. Co.	2,181.83	
Westinghouse Elec. Mfg. Co.	1,309.10	
Westinghouse Tr. Br. Co.	23.00	
Wetmore-Savage Co.	759.89	
C. H. Wheeler Mfg. Co.	15.73	
Ralph B. Willis	340.00	
W. H. Willis	8.40	
Wise, McClung Mfg. Co. ....	.79	
F. E. Wolcott Mfg. Co.	2.73	
Worthington Pump & Mfg. Co.	21.43	
Woburn Machine Co.	16.39	
Woburn Iron Foundry	29.00	
W. A. Wood Co.	19.70	
H. P. Woodbury Co.	187.76	
Yawman & Erbe Mfg. Co.	26.34	
Walter H. Yeager	80.00	
Total Payments	\$189,581.54	
Balance to 1923	157.45	
	<hr/>	
	\$189,738.99	\$189,738.99

FIRE DEPARTMENT

Special Repairs

	Cr.	
Appropriation		\$ 1,800.00
	Dr.	
O. F. Kress & Son	\$ 1,800.00	
	<hr/>	
	\$ 1,800.00	\$ 1,800.00

CARE SOLDIERS' GRAVES

Chap. 115, Sec. 22, Gen. Laws

	Cr.	
Appropriation		\$ 875.00
	Dr.	
Pay Roll	\$ 669.87	
Balance to Revenue	205.13	
	<hr/>	
	\$ 875.00	\$ 875.00

SOUTH STREET REPAIRS

Cr.

Balance from 1921		\$	1,074.58
-------------------------	--	----	----------

Dr.

Pay Roll	\$	536.50	
Balance to 1923		538.08	
		<hr/>	<hr/>
	\$	1,074.58	\$ 1,074.58

FOREST STREET

Cr.

Balance from 1921		\$	464.93
-------------------------	--	----	--------

Dr.

Pay Roll	\$	157.39	
Balance to 1923		307.54	
		<hr/>	<hr/>
	\$	464.93	\$ 464.93

NORTH MAIN STREET SIDEWALK

Cr.

Balance from 1921		\$	175.06
-------------------------	--	----	--------

Dr.

Balance to 1923	\$	175.06	
		<hr/>	<hr/>
	\$	175.06	\$ 175.06

PUBLIC LIBRARY BUILDING

Cr.

Balance from 1921		\$	854.92
Balance to 1923		854.92	
		<hr/>	<hr/>
	\$	854.92	\$ 854.92

SEWER INVESTMENT ACCOUNT

Cr.

Balance from 1921		\$	475.30
-------------------------	--	----	--------

Dr.

Transfer to Maturing Debt Account	\$	470.36	
Balance to 1923		4.94	
		<hr/>	<hr/>
	\$	475.30	\$ 475.30

SMITH-HUGHES FUND

Cr.

Balance from 1921		\$	221.69
-------------------------	--	----	--------

Dr.

Agricultural School Salaries	\$	221.69	
		<hr/>	<hr/>
	\$	221.69	\$ 221.69

INTEREST

Cr.		
Appropriation		\$ 26,047.50
Dr.		
Interest on Temporary Loans	\$ 8,655.04	
Interest on Municipal Building Loans	1,577.50	
Interest on Mun. Bldg. & Library Grounds Loan	125.00	
Interest on Sewer Loans	7,695.00	
Interest on School Building Loans	960.00	
Interest on Richardson Estate Loan	120.00	
Interest on Brown Estate Loan	210.00	
<hr/>		
Total Payments	\$ 19,342.54	
Transferred to Reserve Fund	3,500.00	
Balance to Revenue	3,204.96	
<hr/>		
	\$ 26,047.50	\$ 26,047.50

TAXES ON PROPERTY TAKEN

Dr.		
Grace V. Viall, Collector	\$ 705.83	
Balance to 1923		705.83
<hr/>		
	\$ 705.83	\$ 705.83

SEWER ASSESSMENTS ON PROPERTY TAKEN

Dr.		
Grace V. Viall, Collector	\$ 189.00	
Balance to 1923		189.00
<hr/>		
	\$ 189.00	\$ 189.00

TEMPORARY LOANS
Anticipation of Revenue

Cr.		
Outstanding Jan. 1, 1922		\$125,000.00

Notes Issued in 1922

Month	By whom purchased	Rate of disc.	Amt.
Feb.—	Chas. L. Edwardes & Co.	4.35	\$ 30,000.00
Mar.—	Grafton & Company	4.28	50,000.00
Apr.—	Chas. L. Edwardes & Co.	4.12	50,000.00
June—	Paine, Webber & Co.	3.44	50,000.00
Aug.—	Chas. L. Edwardes & Co.	3.45	20,000.00
Dec.—	Chas. L. Edwardes & Co.	4.37	50,000.00
Dec.—	Chas. L. Edwardes & Co.	4.35	75,000.00
<hr/>			
Average rate of discount		4.05	\$325,000.00

Notes Paid in 1922

March	\$ 25,000.00
April	20,000.00
September	5,000.00
October	70 000.00
November	30,000.00
December	175,000.00
	<hr/>
	\$325,000.00
	<hr/>
Outstanding Dec. 31, 1922	\$125,000.00

ACCOUNTING MUNICIPAL LOANS**SEWER DEPARTMENT LOANS**

Outstanding Jan. 1, 1922	\$175,000.00	
Paid in 1922		6,000.00
Outstanding Dec. 31, 1922		169,000.00
	<hr/>	<hr/>
	\$175,000.00	\$175,000.00

WATER DEPARTMENT LOANS

Outstanding Jan. 1, 1922	\$103,000.00	
Paid in 1922		\$ 14,000.00
Outstanding Dec. 31, 1922		89,000.00
	<hr/>	<hr/>
	\$103,000.00	\$103,000.00

MUNICIPAL LIGHT DEPARTMENT LOANS

Outstanding Jan. 1, 1922	\$156,700.00	
Notes issued Dec., 1922	7,000.00	
Paid in 1922		16,800.00
Outstanding Dec. 31, 1922		146,900.00
	<hr/>	<hr/>
	\$163,700.00	\$163,700.00

MUNICIPAL BUILDING LOANS

Outstanding Jan. 1, 1922	\$ 32,000.00	
Paid in 1922		\$ 2,000.00
Outstanding Dec. 31, 1922		30 000.00
	<hr/>	<hr/>
	\$ 32,000.00	\$ 32,000.00

MUNICIPAL AND LIBRARY BUILDING GROUNDS

Outstanding Jan. 1, 1922	\$ 5,500.00	
Paid in 1922		\$ 500.00
Outstanding Dec. 31, 1922		5,000.00
	<hr/>	<hr/>
	\$ 5,500.00	\$ 5,500.00

BROWN ESTATE LOANS

Outstanding Jan. 1, 1922	\$ 5,500.00	
Paid in 1922		\$ 500.00
Outstanding Dec. 31, 1922		5,000.00
	<hr/>	<hr/>
	\$ 5,500.00	\$ 5,500.00

SCHOOL BUILDING LOANS

Outstanding Jan. 1, 1922	\$ 26,000.00	
Paid in 1922		\$ 5,000.00
Outstanding Dec. 31, 1922		21,000.00
	<hr/>	<hr/>
	\$ 26,000.00	\$ 26,000.00

RICHARDSON ESTATE LOANS

Outstanding Jan. 1, 1922	\$ 3,000.00	
Paid in 1922		\$ 500.00
Outstanding Dec. 31, 1922		2,500.00
	<hr/>	<hr/>
	\$ 3,000.00	\$ 3,000.00

FUNDED DEBT**Balancing Account**

Total Debt, Jan. 1, 1922	\$506,700.00
Mun. Light Dept. Notes issued in 1922	7,000.00

Paid in 1922

Sewer Department Loans	\$ 6,000.00
Water Department Loans	14,000.00
Light Department Loans	16,800.00
Municipal Building Loans	2,000.00
Municipal Library Building Grounds Loans	500.00
Brown Estate Loans	500.00
School Building Loans	5,000.00
Richardson Estate Loans	500.00
	<hr/>
Total Payments, 1922	45,300.00
Total Debt Dec. 31, 1922	468,400.00
	<hr/>
	\$513,700.00
	<hr/>
	\$513,700.00

SPECIAL DEBT ACCOUNT**FUNDED DEBT MATURING IN 1922****Cr.**

Appropriation from Excess & Deficiency Account	\$ 15,500.00
Appropriation from Sewer Premium Account	3,529.64

Appropriation from Sewer Interest Account	470.36
Received from Water Dept.	9,000.00
Received from Light Dept.	16,800.00

Dr.

Payment of Loans due in 1922	\$ 45,300.00	
	<hr/>	<hr/>
	\$ 45,300.00	\$ 45,300.00

FUNDED DEBT MATURING IN 1923

Sewer Dept. Loans	\$ 4,000.00
Water Dept. Loans	12,000.00
Light Dept. Loans	15,800.00
Municipal Building Loans	2,000.00
Municipal & Library Building Grounds Loans	500.00
Brown Estate Loans	500.00
Richardson Estate Loans	500.00
School Building Loans	5,000.00
	<hr/>
Total	\$ 40,300.00

TOWN DEBT—DETAIL OF PAYMENTS BY YEARS

Year	Sewer Dept.	Water Dept.	Mun. Light Dept.	Mun. Bldg.	Brown Est.	Lib. & Mun. Bld. Grounds	School Dept.	Richardson Est.	Totals
1923	\$ 4,000.00	\$ 12,000.00	\$ 15,800.00	\$ 2,000.00	\$ 500.00	\$ 500.00	\$ 5,000.00	\$ 500.00	\$ 40,300.00
1924	4,000.00	12,000.00	14,800.00	2,000.00	500.00	500.00	5,000.00	500.00	39,300.00
1925	12,000.00	12,000.00	12,800.00	2,000.00	500.00	500.00	5,000.00	500.00	45,300.00
1926	8,000.00	7,000.00	11,800.00	2,000.00	500.00	500.00	1,000.00	500.00	31,300.00
1927	8,000.00	7,000.00	11,800.00	2,000.00	500.00	500.00	1,000.00	500.00	31,300.00
1928	8,000.00	7,000.00	11,800.00	2,000.00	500.00	500.00	1,000.00		30,800.00
1929	8,000.00	7,000.00	10,800.00	2,000.00	500.00	500.00	1,000.00		29,800.00
1930	8,000.00	7,000.00	10,800.00	2,000.00	500.00	500.00	1,000.00		28,800.00
1931	8,000.00	2,000.00	8,000.00	2,000.00	500.00	500.00	1,000.00		22,000.00
1932	8,000.00	2,000.00	8,000.00	2,000.00	500.00	500.00			21,000.00
1933	8,000.00	2,000.00	7,000.00	2,000.00					19,000.00
1934	7,000.00	2,000.00	6,000.00	2,000.00					17,000.00
1935	6,000.00	2,000.00	6,000.00	2,000.00					16,000.00
1936	6,000.00	2,000.00	4,000.00	2,000.00					14,000.00
1937	6,000.00	1,000.00	2,500.00	2,000.00					11,000.00

1938	6,000.00	1,000.00	2,500.00						9,500.00
1939	6,000.00	1,000.00	2,500.00						9,500.00
1940	6,000.00	1,000.00	1,000.00						8,000.00
1941	6,000.00	1,000.00							7,000.00
1942	6,000.00	1,000.00							7,000.00
1943	6,000.00								6,000.00
1944	6,000.00								6,000.00
1945	6,000.00								6,000.00
1946	6,000.00								6,000.00
1947	2,000.00								2,000.00
1948	2,000.00								2,000.00
1949	2,000.00								2,000.00
Totals	\$169,000.00	\$ 89,000.00	\$146,900.00	\$30,000.00	\$5,000.00	\$5,000.00	\$21,000.00	\$2,500.00	\$468,400.00

BORROWING CAPACITY

	Total Valuation	Abatement	Net Valuation
1920	\$9,215,295.00	\$21,269.00	\$9,194,026.00
1921	9,513,847.00	88,769.00	9,425,078.00
1922	9,860,206.00	82,140.00	9,778,066.00

Average Net Valuation 3 years \$9,465,723.00.

Note:—Indebtedness of towns limited to three per cent of valuation of three preceding years (Chap. 44, Sec. 10, G. L.).

Three per cent is	\$282,971.00
Total Debt	\$468,400.00

Exempted Loans:

Water Dept.	169,000.00		
Light Dept.	146,900.00		
Sewer Dept.	89,000.00		
	<hr/>	404,900.00	63,500.00

Borrowing Capacity, Dec. 31, 1922	\$219,471.00
Increase over 1921	23,826.00

BALANCE SHEET DECEMBER 31, 1922

(Continued)

City of Boston Poor Dept.	303.00	Water Department Maint. Acct.	6,633.81
Sundry Parties:		Sewer Dept. Const. & Maint. Acct. ...	13,333.28
Cemetery Dept.	201.11	Sewer Dept. House Connections Acct.	921.63
Sealer of W. & M.	8.40	Cemetery Reserve Fund	577.11
Misc. Accts.	110.00	Insurance Account Special	28.75
Highway Dept.	342.75	Balances Forward to 1923:	
Board of Health	381.50	Block System Survey	\$ 3.19
		South St. Repairs	538.08
	15,385.79	Forest St. Repairs	307.54
		No. Main St. Sidewalk	175.06
	13,893.04	Library Building	854.92
	3.00	Sewer Investment Acct.	4.94
	18,634.45	Painting Municipal Bldg.	300.00
	663.31	Drainage System Survey	2,500.00
			<hr/>
Sewer Assessments Appor'n, Rec.		Reserve Fund	4,683.73
1923-1931		Excess & Deficiency Account	42.13
Civilian War Poll Tax			15,448.78
Municipal Light Dept. Accts. Rec. ...			<hr/>
Water Department Accts. Rec.			\$228,549.01
Poor Department, Overdraft	528.45		
Taxes on Property Taken	705.83		
Sewer Assessments on Property Taken	189.00		
	<hr/>		
	1,423.28		
	<hr/>		
	\$228,549.01		

TRUST FUNDS
GEORGE F. BUCK FUND

Dr.	
Balance on hand Jan. 1, 1922	\$ 63.54
Interest, 1922	3.02

Cr.	
Balance, Mechanics Savings Bank	\$ 66.56
	<hr/>
	66.56
	<hr/>
	66.56

Cemetery Bequest Fund

Dr.	
Balance on hand Jan. 1, 1922	\$ 1,274.41
Bequests Received:	

H. E. Cummings	200.00
Emma L. Roby	100.00
Maria L. Winchester, addl.	25.00
Arthur W. Temple	150.00
Sarah B. Turner	100.00
Emma G. Johnston	100.00
Josie Lee	100.00
Emma D. Newell	100.00
Margaret E. Moore	100.00
Nancy Pinkham	100.00
Wilmot K Pratt Estate	100.00
Mary L. Hussey, addl.	100.00
Clara Cox	25.00
Charles D. Smith	100.00
Frank F. Simpson	100.00
Etta F. Rich	100.00
Lucy W. Parker	150.00
Edward F. Mellen	25.00
Mary I. Poland	100.00
George L. Pratt	150.00
A. Louise Todd	200.00
Myra A. Kimball	50.00
Ella J. Parker Estate	100.00
Rachael J. Bennett	200.00
Ward C. Mansfield	50.00
	100.00

Total Bequests, 1922	
Received from investment due in 1922	\$ 2,625.00
Interest on invested funds	500.00
	<hr/>
	1,139.51
	<hr/>
	\$ 5,538.92

Cr.

Paid Cemetery Department, Care of lots	\$ 1,100.00
Balance, Mechanics Savings Bank	4,438.92
	<hr/>
	\$ 5,538.92

UNPAID BILLS, DEC. 31. 1922

Town Clerk's Expense:

Edgerly & Bessom	\$ 16.25	
Doherty Brothers	2.75	
	<hr/>	—\$ 19.00

Fire Department:

Am. Oil & Gasoline Co. ....	.80	
Clapp & Leach .....	.30	
T. C. Fife	13.90	
Francis Brothers	2.32	
Malden & Melrose Gas Light Co.	4.35	
New England Tel. & Tel. Co.	8.58	
P. N. Sweetser	109.19	
Walworth Mfg. Co.	4.26	
Wetmore-Savage Co.	6.21	
Winchester Laundries, Inc.	8.73	
	<hr/>	158.64

Fire Alarm:

Municipal Light Dept.	48.18
----------------------------	-------

Board of Public Works:

Bobbs-Merrill Co.	5.00	
New England Tel. & Tel. Co.	5.53	
	<hr/>	10.53

Highway Department:

New England Tel. & Tel. Co.	3.98	
Reading Tire Shop	116.50	
Standard Oil Co.	61.60	
P. J. Seaman	3.75	
	<hr/>	185.83

Sewer Department:

Cummings Express Co. ....	.85	
F. F. Smith	6.55	
P. N. Sweetser	75.00	
	<hr/>	82.40

Board of Health:

City of Malden	36.00
----------------------	-------

Poor Department:

Adams Company	9.32
F. A. Bessom	2.20
Comm. of Mass.	80.00

City of Boston	637.95
Mass. Homeopathic Hospital	218.50
W. H. Willis	11.95

 959.92

School Department:

George H. Adams	60.00
G. H. Atkinson Co.	44.09
R. D. Clapp	9.95
Cummings' Express Co.	1.70
Eastern Mass. St. Ry. Co.	200.00
Edgerly & Bessom	2.50
Malden & Melrose Gas Light Co.	16.65
J. M. Maxwell, Jr. & Son	9.52
Reading Custom Laundry, Inc.	3.09
Municipal Light Dept.	104.80
New England Tel. & Tel. Co.	48.12
Rich's Market	4.78
Stewart & Robertson	54.64
F. Wallace	2.30
F. C. Whittemore	9.15
George T. Wood	62.50

 633.79

Tuition Account:

City of Somerville	26.92
--------------------------	-------

Cemetery Department:

John Street Garage	46.59
New England Tel. & Tel. Co.	4.58
Joseph L. Peters	14.00

 65.17

Water Department:

Bingham & Taylor	87.61
Cummings' Express Co.	2.80
Eagle Oil & Supply Co.	60.76
Johns-Manville Co.	6.13
H. Mueller Mfg. Co.	7.06
National Meter Co.	2.06
New England Tel. & Tel. Co.	31.15
Reading Motor Co.	35.36
Reading Tire Shop .....	.75
F. F. Smith	1.18
Woburn Machine Co.	6.79

 241.65

Municipal Light Department:

See Dept. Report

Miscellaneous:

C. R. Henderson, M. D.	90.00	
Hobbs & Warren	3.40	
New England Tel. & Tel. Co.	2.25	
Harvey Quigley	125.00	
Security Lodge , I. O. O. F.	15.00	
		<hr/>
		235.65
		<hr/>
		\$ 2,703.65

REPORT OF TREASURER

Reading, Mass., Dec. 31, 1922.

To the Citizens of Reading:—

During 1922 the only increase in the Town Debt was \$7,000 4¼% Electric Light Department Notes sold in December to Merrill Oldham & Co. at par, but payments made during 1922 reduced the Town Debt to \$468,400, the lowest point since 1917. Bonds and Notes to the amount of \$40,300 fall due in 1923.

The amount of temporary loans authorized by law in anticipation of revenue for 1922 was \$412,537.30. Notes were issued to the amount of \$325,000 of which \$70,000 was for the purpose of refunding loans of 1921, leaving a balance of \$157,537.30 unissued for 1922. This unusually large balance was made possible by the excellent tax collections and other receipts.

H. H. KINSLEY, Treasurer.

TREASURER'S REPORT, CEMETERY BEQUEST FUND, DEC. 31, 1922

Debtor

Jan. 1, 1922:

To cash balance	\$ 1,274.41	
To cash, payment of notes	500.00	
To cash, sundry bequests	2,625.00	
To interest	1,139.51	
	<u> </u>	\$ 5,538.92

Creditor

By payment, care of lots	\$ 1,100.00	
By cash balance, Dec. 31, in Mechanics		
Savings Bank	4,438.92	
	<u> </u>	\$ 5,538.92

HENRY H. KINSLEY, Treasurer.

TREASURER'S REPORT, GEORGE F. BUCK TRUSTEE FUND

Debtor

Jan. 1, 1922:

To cash balance	\$ 63.54	
To interest	3.02	
	<u> </u>	\$ 66.56

Creditor

Dec. 31, 1922:—

By balance cash on deposit in Mechanics		
Savings Bank		\$ 66.56

HENRY H. KINSLEY, Treasurer.

TREASURER'S REPORT, TOWN OF READING, DEC. 31, 1922

Debtor

Balance, Jan. 1, 1922	\$ 25,906.61	
G. V. Viall, Collector, Taxes, Moth, Interest Costs and Charges	349,186.51	
Balance from Municipal Light Dept.	3,506.09	
Commonwealth of Mass.:		
Corporation Tax	9,038.19	
Income Tax	25,526.13	
Nat'l Bank Tax	1,380.16	
Street Ry. Tax	265.48	
Civilian War Poll Tax	18.00	
Soldiers' Redemption	94.08	
Temporary Aid	1,658.55	
State Aid	796.00	
Mothers' Aid	2,965.94	
Revenue Loans	325,000.00	
Municipal Light Dept. Loan	6,800.00	
Municipal Light Dept. Notes	7,000.00	
Interest on Bank Deposits	1,662.91	
School Dept.:		
Commonwealth of Mass.	3,739.41	
Tuition	4,323.18	
Sewer Dept. Receipts	6,631.04	
Municipal Light Dept. Receipts	169,949.83	
Water Dept. Receipts	37,634.38	
Miscellaneous Receipts	12,826.35	
		<u>\$995,908.84</u>

Creditor

Discount Revenue Loans	\$ 8,655.04	
Interest on Notes & Bonds	10,687.50	
State Tax	40,212.30	
County Tax	13,035.00	
Notes & Bonds paid during 1922	45,300.00	
Revenue Loans Paid	325,000.00	
Other Payments	512,131.61	
Petty Cash on hand	3,200.00	
Cash in Banks	37,687.39	
		<u>\$995,908.84</u>

GRACE V. VIAL, COLLECTOR,

Dr.

Amount uncollected, Dec. 31, 1921, account 1918 Tax	\$ 146.88
" uncollected, Dec. 31, 1921, account 1919 Tax	333.84
" Interest collected, account 1919 Tax	10.52
" uncollected, Dec. 31, 1921, account 1920 Tax	23,378.11
" Interest collected, account 1920 Tax	2,529.91
" uncollected, Dec. 31, 1921, account 1921 Tax	112,026.03
" Interest collected, account 1921 Tax	2,715.15
" Poll Tax warrant, June 20th, 1922	12,060.00
" Poll Tax warrant, Dec. 18th, 1922	90.00
" General Tax warrant, Sept. 5th, 1922	305,406.48
" Moth Tax, Sept. 5th, 1922	1,310.25
" General Tax warrant, Dec. 18th, 1922	264.29
" Moth Tax, Dec. 18th, 1922	1.00
" Interest collected, account 1922 Tax	170.15
" Costs and charges	603.22
" received account redemption of property	27.28
" received account sale of unredeemed property	73.18
	<hr/>
	\$461,146.29

Cr.

Amount uncollected, account 1918 Tax	\$ 146.88
" paid Treasurer, account 1919 Tax	135.20
" uncollected, account 1919 Tax	209.16
" paid Treasurer, account 1920 Tax	25,409.87
" abated, account 1920 Tax	183.74
" uncollected, account 1920 Tax	314.41
" paid Treasurer, account 1921 Tax	83,660.60
" abated, account 1921 Tax	651.70
" uncollected, account 1921 Tax	30,428.88
" paid Treasurer, account 1922 Tax	218,335.23
" abated, account 1922 Tax	4,044.31
" uncollected, account 1922 Tax	96,922.63
" paid Treasurer, account costs and charges	455.70
" paid Constable, account warrants	147.52
" paid Treasurer, account redemption of property	27.28
" paid Treasurer, account sale of unredeemed property	73.18
	<hr/>
	\$461,146.29

IN ACCOUNT WITH TOWN OF READING

Dr.

Sewer Betterment assessed in 1922	\$ 43,671.14
---	--------------

Cr.

Amount paid Treasurer to Sept. 30th, 1922	\$ 11,839.68
" apportioned	16,439.85
" unapportioned	15,391.61
	<hr/>
	\$ 43,671.14

SEWER COMMITMENT FOR 1922

Dr.

Unapportioned assessment	\$ 15,391.61
Apportioned assessment	2,267.10
Interest on apportionment	409.13
Apportioned, advance payment	279.71
Interest	9.81
	<hr/>
	\$ 18,357.36

Cr.

Amount paid Treasurer, unapportioned assessment	6,619.67
" paid Treasurer, apportioned assessment	1,555.80
" Interest	265.39
" paid Treasurer, apportioned advance payment	279.71
" unpaid assessments, 1922, Commitment	9,636.79
	<hr/>
	\$ 18,357.36

Dr.

Sewer Rentals, July 1st, 1922	522.30
Additional Sewer Rental	6.90
	<hr/>
	\$ 529.20

Cr.

Amount paid Treasurer, account Sewer Rentals	\$ 529.20
--	-----------

GRACE V. VIALI, Collector of Taxes.

Reading, Mass., Dec. 31, 1922.

Approved:

L. G. BENT, Town Accountant.

REPORT OF PUBLIC LIBRARY

The Trustees of the Public Library submit the following report:

ORGANIZATION OF THE BOARD

The Board organized for the year by the choice of Mr. Wadlin, Chairman, and of Mr. Mansfield as Secretary. Standing committees were appointed as follows:

On Accounts: Messrs. Wadlin, Mansfield and Carter.

On Books: Mr. Mansfield, Miss Whittemore and Miss Bancroft.

On Building and Grounds: Messrs. Wadlin and Keneeley and Miss Bancroft.

On Work with Children: Miss Whittemore and Miss Bancroft.

EXPENSES OF THE LIBRARY

Following is a condensed financial statement:

Appropriation, Direct tax, 1922:

Salaries	\$ 1,550.00
Maintenance	2,250.00
	<hr/>
Total from tax levy	\$ 3,800.00

Expended

Salaries, Librarian, Assistants and janitor	\$ 1,548.00
Books and periodicals, including re-binding	1,483.75
Printing and stationery, etc.	90.87
Fuel, light and water	313.02
Repairs	314.12
Miscellaneous expense	48.08
	<hr/>
	\$ 3,797.84

Balance unexpended:

On salaries	\$ 2.00
On maintenance .....	.16
	<hr/>
	\$ 2.16
	<hr/>
	\$ 3,800.00

REPAIRS

By way of repairs the exterior painted finish of the building has been completely repainted two coats and is now in excellent condition. Some other incidental repairs have been made, not requiring large expenditure.

Certain defects in the plastered ceilings of the building have appeared which require repair, in order to prevent accident from falling plaster, however remote the possibility of such accident may be. These defects, due to imperfect workmanship on the part of the sub-contractor for the plastering, when the building was built, or to weather conditions not sufficiently guarded against, when part of the work was done, or to both causes, were hidden until recently. We have taken expert advice concerning the matter and acting upon it have included in our budget for the coming year, a sum sufficient to cover the expense involved.

ADDITIONS TO THE LIBRARY

Volumes in library, close of 1921	11,042
Volumes bought, including replacements	688
Received by gift	101
	<hr/>
	11,831
Worn out, and not replaced	310
	<hr/>
Total number of volumes Dec. 31, 1922	11,521

The net gain is 479 volumes. These include 153 in the class "fiction for adults"; and 113 "fiction for young readers; 203 "non-fiction", adults; and 62 "non-fiction", juveniles. The gifts include 21 public documents, (state and national) and 80 volumes, general literature, given by individuals.

With reference to the volumes reported as "worn out and not replaced," it is proper to say that these include also a certain number lost or discarded, and it is pertinent to quote the following remarks of the librarian:

"Seven volumes were burned on account of contagious disease (in the families of borrowers). Thirty-eight volumes were lost (20 "juvenile" books and 18 "adult") notwithstanding the fact that 766 requests for return of books held beyond the time for which they were borrowed were sent during the year. Nine volumes were lost because borrowers moved away from town without returning them, some were charged to borrowers who declared that we were mistaken, "they never had them," or "had returned them," while others were taken from the shelves, without charging and never, so far, returned."

This statement exhibits some of the inevitable incidents in the operation of a free public library with open shelves. Unfortunately there are always those (comparatively few in number, as against the hundreds who use the library) who do not remember, or who do not

care to remember that failure to observe the reasonable rules of the library restricts the privileges of others who are more scrupulous. If books are taken but not returned, or if they are kept out of the library longer than they should be, somebody else is deprived of the use of them, or perhaps duplicate copies must be bought to replace those lost, thus diminishing the number of new books which may be added to the library.

Privileges provided at the public expense for the common use, should be exercised by every one with due regard for the equal right of others. This seems perfectly obvious, but apparently there are some who do not realize it, or who carelessly or selfishly disregard it. To show how mis-use of privileges operates to restrict them, these further comments by the librarian are significant:

"Not long ago the Chief of Police returned 13 books found in one house..... These were books which had been taken from the shelves without having them recorded as provided in the rules for borrowers. It has been the custom to allow non-resident pupils in our schools full library privileges. Last June two High School pupils from North Reading took two volumes of recent fiction, and it was only by the help of the librarian in North Reading and the aid of the police in that town that in the fall one of these books was returned and the fine (which amounted to two dollars) was collected. The pupil who took the other book had moved away, and the volume was not recovered. **Consequently it has seemed best to limit non-resident pupils to books actually required in school work.**"

With respect to books taken from the open shelves without having them recorded at the charging desk, it may be said that a certain number are always lost in this way in every library having shelves openly accessible. On the whole the value of volumes lost, may be considered a charge against the open-shelf privilege, and worth incurring in view of the advantages to readers in general of that privilege, which enables them to examine the books freely. The thing to be deplored, after all, is not so much the expense incurred by the loss of books in this way, as the disregard of rule on the part of young persons who are the principal offenders, and whose lack of sense of the observance of law and disregard of the rights of others is shown by their conduct. There are other libraries in which the evil reaches greater proportions than with us, but in any community where the young readers come from order-loving families, it should not exist at all.

The librarian also reports:

"The number of requests for books to be reserved made it advisable to have a printed postcard notice prepared which the person requesting reservation might receive when the books became available. Since these postcard notices cost the library about one and a half cents each, a charge of two cents is made for them, where formerly no charge was imposed. But the result has been that an increased number of reserva-

tions has been requested, many borrowers seeming less reluctant to avail themselves of a privilege which they pay for. During the year 379 notices were sent out."

"Of the books given to the library, 40 were gifts from Howard Bagness, a High School pupil who was leaving town; nine were given by Robert Cain, another boy who is much interested in the library."

Needless to say, it is more pleasant to record instances of this kind on the part of young readers than to comment on the disappearance of books from the open shelves. The librarian remarks further as to gifts:

"Ten volumes were received from Mr. R. P. Burgess. Thanks are also due Mr. George Fisher who each month has given a copy of the Scientific American magazine, and to the proprietors of the Reading Chronicle who continue their gift of two copies of the paper, one for the reading tables and one to be preserved in our files.

"Nine volumes have been borrowed from the Boston Public Library, through the inter-library loan arrangement which enables the courtesy, for the use of borrowers here, who needed for a short time some book, not fiction, which our library did not contain or was unable to purchase."

"Library Hall has been used during the year by the Woman's Club Parliamentary Law Class; the Girls' Scout Council, and the Scout leaders' class; for the library story hours for children; and for the annual meeting of the directors of the Reading Home for Aged Women."

"In September the Woman's Educational Association (of Massachusetts) lent to the library a set of pictures of the Great War, which were placed upon public exhibition for several weeks."

"For Children's Week, November 12 to 19, posters were displayed in the schools, and there was a brief 'story hour' on the thirteenth for girls and on the fourteenth for boys. As usual, the attention of teachers and children being called to the library, an increased attendance followed, and a number of new cards, larger than the average, were issued during the week."

"In September, when the list of books added to the library from February to August was issued in print, copies were sent to the teachers, with the offer to reserve for class use books upon any special subject, suggesting also that when a large class needed material upon a subject covered by only a limited supply of books such reservations would give all equal opportunity."

This plan was followed in connection with a class from the junior high school and the success of the arrangement warrants its continuation.

REVIEW OF PURCHASES

During the year we have devoted especial attention to the reading of young persons, graded to conform, somewhat, to the respective grades in the public schools. Among the books recently bought for children are certain standard works, especially illustrated, to add to a small col-

lection of fine books intended to promote reading in the library building. Among them are: Burgess' "Bird Book and Animal Book"; Hughes' "Tom Brown's School Days"; Teasdale's "Rainbow Gold" (poems); Cooper's "Last of the Mohicans"; De Foe's "Robinson Crusoe", etc.

Books for adults include not only carefully selected novels but many important new books classed as "Sociology"; (Bryce's "International Relations"; Parker's "Working with the Working Woman"; Williams' "Horny Hands and Hampered Elbows"; and others).

"History"—(Paxon's "Recent History of the United States"; Powell's "Asia at the Cross Roads"; Holderness' "Peoples and Problems of India"; Smith's "Oxford History of India"; Vantyne's "Causes of the War of Independence"; and others).

Many exceedingly interesting books have been added under "Travel"—(Alden's "Isle of Vanishing Men"; Hunt's "Rising Temper of the East"; Foster's "Adventures of a Tropical Tramp"; Smith's "14,000 Miles through the Air"; Stefansson's "Northwest Course of Empire").

"Biography" has included lives of Danton, Hugo Munsterberg; Moses Greeley Parker, and others; the recently published Life of Cardinal Gibbons, Reminiscences of Chauncey Depew, Letters of Franklin K. Lane, etc.

Books have been bought to aid teachers, relating to various aspects of pedagogy and child training; upon wireless telegraphy, radio, household economy, health, industrial operations, etc. and many important books in general literature, poetry, essays, etc.

The titles of new books bought are listed in the library as soon as the volumes are ready for circulation and eventually they appear in print in the "Chronicle".

We have mentioned a few titles here simply to indicate the wide range of our purchases. We have tried to meet the needs, to arouse the interest, of readers of every class, as far as possible, within our financial limits. The librarian is always ready to display the new books, to help borrowers in making selection, or to list for possible purchase any book which may be recommended by patrons of the library.

USE OF THE LIBRARY

Volumes borrowed for home use	40,899
Increase over previous year	1,663
Largest monthly circulation, April	3,869
Smallest, June	2,939
Number of new borrowers registered	484
Whole number new borrowers registered during last five years ..	3,333
Number of days open during year	248
Average daily circulation, home use	164
Largest issue any single day, Feb. 18	396
Smallest, August 16	11

RECEIPTS OF THE LIBRARY

These include:

Fines, etc., collected (for over-detention of books, chiefly)	\$227.53
Waste paper, etc., sold	1.10
Cash on hand, Jan. 1, 1922	6.09
	<hr/>
	\$234.72
Paid to Town Treasurer	225.00
	<hr/>
Balance on hand	\$ 9.72

Reference work, that is, the use of books for study at the library and the use of the reading rooms for books and periodicals cannot be recorded definitely, and of course is not included in the foregoing statistics of circulation. The use of the library is constantly increasing, and this is desirable. The library is an important educational institution, and ought to be used up to its limit. To promote such use is the constant effort of the Trustees and the Librarian. Anything less than full use is an economic waste. But enlarged use means somewhat larger expense for service. This we believe will be recognized, and cordially provided for by our citizens. The building is now open only two hours less in each week than are the grade schools. And the outside time required from the librarian, that is, service time beyond the number of hours the library is actually open to the public is probably as great as that required from the teachers, at least from those in the lower grades. The assistant librarian is not required to render such additional service, but is most efficient and helpful at all times. Her present pay amounts to about thirty-three cents an hour, less than is paid for the most ordinary unskilled labor. Comparison is invited to the pay of the librarian with that of the teachers. The teachers have ten weeks' vacation in each year. The librarian and assistant have three. Taking these inequalities into account, and remembering also the constant increase in the burden of service by the enlarged public use of the library, we recommend an enlarged appropriation for salaries, until an adequate maximum is reached. This increase we suggest may be progressive and adjusted so as not to fall in any one year.

Additional service is also required from minor assistants who are paid by the hour for actual time employed.

We need only add the well-known and we think generally recognized fact that the library has value to the town not easily estimated, not merely as an adjunct to the schools, but in its place as a unique municipal institution, in whose privileges all our people share. Putting it on a purely financial basis, everybody's real estate is worth more by reason of the maintenance of a good public library here.

And at present the combined salary list (librarian, assistant librarian, minor assistants and janitor) is but little more than the amount paid to one minor grade school teacher only, and no more than paid to one grade teacher in many schools.

Again we repeat what in effect we have said in other reports, in order that it may not be forgotten when our budget is considered:

The library expense now or if enlarged to the extent we may recommend is virtually negligible when considered with reference to the total expenses of the town. Whatever has in the past caused our tax rate to increase (or whatever may cause such an increase in the future) is not materially affected by the annual cost of maintenance of the library; This should be remembered in considering the burden of taxation and the library's position relative to it.

It should be remembered also that of the entire expense of the library, only a part actually goes into the tax levy. The cost, as entering into that levy, is reduced by the amount of dog tax refunded into the Treasury offsetting an equivalent amount of the library appropriation; and by receipts of the library itself (from fines, etc.) paid into the treasury, so that in any year the sum of a thousand dollars or so appears in the treasury (but does not directly appear in our expense statement) offsetting an equivalent amount of the library cost, and under our present methods of accounting diminishing the apparent library burden, to that extent.

In 1922 the total tax levy (all town expenses) was \$317,000. There was raised by direct taxation for the library \$3800, or about one and two-tenths percent of total. The tax rate was \$31.00 per thousand of taxable property. Applying the percentage of library appropriation to this rate, we have 37 and two-tenths cents representing the direct cost of the library out of the total tax rate per thousand. But, as we have said, indirectly the cost of the library was reduced by the amount of the dog tax refund and fine money turned into the treasury, these sums, \$1,020 in 1922, offsetting an equivalent amount of our direct appropriation, reducing it to \$2,780, and this is equivalent to about 27 cents out of the \$31 per thousand tax rate. This relatively small cost of the library as a part of the expenses of the town has not materially changed in recent years.

BUDGET FOR 1923

Our budget of requirements for the coming year, based upon our present basis of expenditure and upon an increased appropriation for repairs, as hereinbefore mentioned and for service, which we believe justified for the reasons we have stated, is:

Fuel, light and water	\$ 425.00
Printing and supplies	75.00
Books, periodicals, binding, etc.	1,500.00
Repairs, etc.	1,000.00
Miscellaneous expenditures	50.00
Total maintenance	<hr/> \$3,050.00
Salaries	2,050.00
Total appropriation required	<hr/> \$5,100.00

We estimate the receipts of the department to be turned into the treasury of the town at \$225. The dog tax refund, which under the statute is applicable to the expense of the library, but which under our method of accounting is credited as a treasury receipt will be about \$800. These two treasury credit items really offset, as we have stated an equivalent amount of library appropriation.

CONCLUSION

We record here our recognition of the continued faithful and efficient services of Miss Bertha L. Brown, Librarian, Miss Grace Abbott, assistant, and those of Mr. Stinchfield, our janitor.

Two vacancies are to be filled at the Town Meeting, the terms of Miss Fannie C. Whittemore and Mr. Frank C. Carter, expiring.

Respectfully submitted,

HORACE G. WADLIN, Chairman,
ARTHUR N. MANSFIELD, Secretary,
RALPH S. KENEELY,
FRANK C. CARTER,
FANNIE C. WHITTEMORE,
EDITH BANCROFT,

Trustees.

Adopted as the Report of the Trustees:

January 26, 1923.

REPORT TRUSTEES OF LAUREL HILL CEMETERY

The Trustees are pleased to submit the annual report of the Superintendent which covers in detail the receipts and disbursements of the department. Attention is particularly called to the requirements for care and improvements for the year 1923.

GALEN A. PARKER, Chairman

PHILIP H. TIRRELL, Secretary

ALFRED W. DANFORTH

FRANK L. EDGERLEY

WILLIAM S. KINSLEY

W. E. TWOMBLY

Trustees of Laurel Hill Cemetery.

REPORT OF SUPERINTENDENT

Trustees of Laurel Hill Cemetery,

Gentlemen:—

In submitting my second annual report as Superintendent of Laurel Hill Cemetery, I feel that in fairness to myself, I should mention some of the difficulties we have had to contend with, which has prevented more work for the permanent improvement of the cemetery being done.

The sleet storm of November, 1921, damaged the trees to such an extent that over twenty cords of four foot wood was salvaged from broken limbs and trees that were damaged beyond repair. This required the expenditure of money to purchase extra tools, and \$461.00 for labor. It also required additional labor to clean up, preparatory to grass cutting.

As the Finance Committee did not recommend an additional \$500. for this purpose as requested, it had to come out of our regular appropriation.

Heavy rains washed the avenues so badly that, with the money available, it was impossible to repair them properly.

Grass cutting cost much more than usual due to the unusual amount of rain during the summer months.

All this in addition to our regular maintenance work, had reduced our appropriation to such an extent, that in June, \$1400 had to be transferred from the Cemetery Reserve Fund to the General Fund. Of this amount \$531.34 was used for new lots and graves, the rest for general maintenance.

We are badly handicapped by the law that prohibits the use of the receipts of this department, as it is almost impossible to estimate the amount of money needed to do private work a season ahead. There might be ten or a hundred or more lot owners, order and agree to pay in advance, for having their lots re-graded and seeded, at a cost of from twenty to fifty dollars each. Two-thirds of the cost of this work represents loam, lime, fertilizer and seed, the other third, labor, all of which has to be paid for out of our maintenance appropriation. If the money received for this work could be used for other private work, we could handle all orders placed during the season.

During the past season, fifty five lot owners placed orders for re-grading and seeding. We were able to do fourteen. The other forty-one were refused as there was no money available for this work. This was unfortunate, not only for the individual, but for the Town as every improvement to a lot is an improvement to the cemetery as a whole.

I would like to recommend that \$2500 be raised and appropriated to create a working fund to be used only for work of this nature. It would never have to be raised again, as any money used from it could be replaced annually from the receipts of the previous year.

In making recommendations for work to be done the ensuing year I realize that many of the things that seem to be absolutely necessary, must be postponed until some future time. However I will mention a few that to me, seem the most important, leaving to your judgment, how much we can hope to accomplish during the coming year.

A drainage system for the north side of the cemetery is absolutely necessary for this reason:

We have very few single graves available, and there seems to be but one place in the cemetery where it is possible to construct the number needed. It is a strip that was formerly an avenue extending from the tool house along the north line to Main St. As this is the natural outlet for all the surface water from Highland St., and most of the water from the section west of the hill in which the receiving tomb is located, it would not be safe to use it for graves until a catch basin is installed near the tool house and a pipe line laid to connect with the one across Main St.

This will require 611 feet of drain pipe and will cost \$650 including cost of laying and catch basin.

Next in importance is the macadam avenue from the south gate on Main St. to the receiving tomb which is very much in need of re-surfacing and if it is not attended to this year it will have to be rebuilt and will require a large outlay of money.

The cost of re-surfacing as estimated by the Highway Dept. is \$200.

Some provision should be made to improve the appearance of the "Old Cemetery", as its neglect is the subject of much unfavorable comment, not only on the part of citizens of this town, but from visitors from out of town. The remains of the founders of this town, as well as thirty veterans who fought for it during the Revolution are lying there and its appearance does not reflect any great amount of credit to the Town of Reading.

In bringing these improvements to your attention, it is my opinion that if any of this work is done this coming year, money should be appropriated for it in addition to our regular maintenance appropriation. The new construction work started last fall, should be finished in order to keep ahead of the demand for new lots, and any money in the Cemetery Reserve Fund will be needed for that purpose.

During the past year I have had to depend on the other departments of the town for tools and equipment to a certain extent and they have all assisted me in every way possible. I am particularly indebted to Mr. Collins of the Board of Public Works, Mr. Crowe of the Highway Dept. and Mr. Donegan of the Moth Dept. for their interest and co-operation for which I wish to extend my thanks.

In conclusion I wish to thank the Board of Trustees for the help and encouragement they have given me during the past year.

Respectfully submitted,

ALFRED E. GOODWIN, Supt.

FINANCIAL REPORT LAUREL HILL CEMETERY

Annual Appropriation, March, 1922	\$2500.00	
Receipts for 1921	1624.59	
	<hr/>	
	\$4124.59	\$4124.59
Receipts, labor on Perpetual Care Lots		1100.00
Receipts, labor on Veteran Sailors' and Soldiers' lots		669.87
Re-imbursement, Royal Indemnity Insurance Co.		25.12
Transferred from Cemetery Reserve Fund		1639.08
		<hr/>
		\$7558.66

	Construction New Lots	Tools and Equipment	General Maintenance	Truck Gas and Oil	Truck Repairs	Office Expense	Total
Terry N. Sweetser	\$208.25						\$208.25
Atlantic Marine Exchange		29.12					29.12
Mass. Bd. Public Works					4.00		4.00
Henry Carroll			390.00				390.00
Cert. Spark Plug Corp.					6.00		6.00
N. E. Tel. & Tel. Co.						58.82	58.82
P. J. Seaman		6.00					6.00
S. H. Davis Hdw. Co.		30.63					30.63
Arco Tire Co.					62.07		62.07
Jason Zwicker estate		120.00					120.00
Municipal Light Board		161.57		12.50			174.07
The Barrett Co.			5.75				5.75
Francis Bros.		37.54					37.54
Henry A. Feindel			46.07				46.07
Hodson Bros.			2.07				2.07
Reading Motor Co.					16.88		16.88
Frank W. Moulton		4.00					4.00
The Dyer Co.					23.80		23.80
Cummings Ex. Co.			4.50				4.50
Am. Railway Ex. Co.			.86				.86
Stand. Tire & Rubber Co.					41.57		41.57

	Construction New Lots	Tools and Equipment	General Maintenance	Truck Gas and Oil	Truck Repairs	Office Expense	Total
The Metcalf Store		.80					.80
Reading Garage				95.27			95.27
A. E. Goodwin			1.87		8.07	7.93	17.87
Adams, Cushing & Foster						2.95	2.95
Joseph Breek & Sons	10.10		28.00				38.10
W. E. & J. F. Twombly							69.40
Thomas Hemsworth		5.00				69.40	5.00
James Webb	20.00						20.00
The Raymond Syndicate				15.53			15.53
J. B. Hunter Hdw.		51.00					51.00
M. E. Andrews			5.18				5.18
Reading Tire Shop					24.50		24.50
F. E. & F. I. Emery			41.00				41.00
O'Brien Bros.	5.00						5.00
Dana Perkins	15.00						15.00
Reading Water Works			58.70				58.70
Dr. E. D. Richmond						7.00	7.00
M. F. Charles						3.05	3.05
Pay Roll	272.99		3763.32			1775.00	5811.31
	\$531.34	\$145.66	\$4362.85	\$107.77	\$186.89	\$1924.15	\$7558.66

Care of Lots, etc.

Amount receivable January 1, 1922	\$ 184.72
Charged in 1922:	
Opening graves	652.00
Foundations	262.97
Re-seeding lots	404.04
Grass cutting	609.09
Sale of wood	91.00
	<hr/>
	\$2203.82
Receipts, 1922	2002.71
	<hr/>
Amount receivable December 31, 1922	\$ 201.11

Perpetual Care

Lots put in Perpetual Care 1922:

H. E. Cummings	Lot 689-690	\$ 200.00
Emma L. Roby	" 265	100.00
Maria L. Winchester	" 253 (add.)	25.00
Arthur W. Temple	" 370	150.00
Sarah B. Turner	" 492	100.00
Emma G. Johnston	" 959	100.00
Josie Lee	" 1008	100.00
Emma D. Newell	" 160	100.00
Margaret E. Moore	" 996	100.00
Nancy Pinkham	" 828	100.00
Wilmot K. Pratt est.	" 1027	100.00
Mary L. Hussey	" 465 (add.)	25.00
Clara Cox	" 1004	100.00
Charles D. Smith	" 1016	100.00
Frank F. Simpson	" 995	100.00
Etta F. Rich	" 530	150.00
Lucy W. Parker	" 562 (add.)	25.00
Edward F. Mellen	" 728	100.00
Mary I Poland		150.00
George L. Pratt	" 572-591	200.00
A. Louise Todd	" 233 (add.)	50.00
Myra A. Kimball	" 703	100.00
Ella J. Parker est.	" 39-662	200.00
Rachel J. Bennett	S. Graves 250-251	50.00
Ward C. Mansfield	Lot 983	100.00

\$ 2625.00

Previously put in Perpetual Care, 268 Lots and Graves.... 25,410.15

\$28,035.15

Lots and Graves

New Lots Graded and Seeded, 1922:

23 Lots, value	\$ 4425.00
20 Single Graves	500.00

 \$ 4925.00

Lots and Graves Sold, 1922:

10 Single Graves	\$ 144.00
14 Lots	1850.00

 \$ 1994.00

Less allowance paid for two single graves	20.00
---	-------

 \$ 1974.00

Balance in Cemetery Reserve Fund January 1, 1922	242.19
--	--------

 \$ 2216.19

Transferred to Cemetery Account	1639.08
---------------------------------------	---------

 \$ 577.11

Balance in Cemetery Reserve Fund December 31, 1922	
--	--

REPORT OF CUSTODIAN OF VETERANS' GRAVES

To the Honorable Board of Selectmen:

Gentlemen:—

I herewith submit my first annual report as Custodian of Veteran Soldiers' and Sailors' Graves.

Number of lots and graves re-loamed and seeded 1922	25
Number of lots and graves not needing re-seeding	15
Number of lots and graves in "New Cem." uncared for	77
Number of lots and graves in "Old Cem." uncared for	48

Total number of Veteran graves without care	165
---	-----

During the past year, in addition to the twenty-five lots that have been re-seeded, the grass was cut once, just before Memorial Day, on all the Veteran lots in the cemetery.

I would recommend that the following work be done during the season of 1923.

One third (23) of the lots in the New Cemetery be re-loamed and seeded, leaving the other two-thirds for the two following years.

Grass kept cut on the lots re-seeded last year, also that the grass be kept cut and fertilizer used on the fifteen lots that do not need re-seeding.

Grass cut once just before Memorial Day on all other Veteran lots.

I have made no recommendations for the improvement of the graves in the Old Cemetery other than cutting the grass for this reason:

The Old Cemetery consists of eleven lots and 709 (recorded) single graves. Of this number seven receive care, the rest being in a deplorable condition and have been for years. A single grave occupies a space three feet by nine feet, and as the forty-eight Veteran graves are widely scattered any care bestowed on them would hardly be noticeable amid such surroundings.

It is hoped by the cemetery officials, that within a very few years the whole of the Old Cemetery will be re-seeded and cared for. If this is so it would not seem advisable at this time to do work that would probably have to be done over if this work is done by the Cemetery Dept. as planned.

Financial statement:

Appropriation March 1922	\$875.00
Labor, loam, fertilizer, lime and seed	\$599.55
Cutting grass on 165 lots	70.32
Unexpended balance	205.13
	<hr/> \$875.00

Respectfully submitted,

ALFRED E. GOODWIN,

Custodian of Veteran Graves.

IN MEMORY OF

ONISSEY V. BENNETT

JULY 27, 1897 — NOVEMBER 29, 1922

REPORT OF CHIEF OF FIRE DEPARTMENT

To the Honorable Board of Selectmen:

Gentlemen:—The annual report of the Chief of the Fire Department is herewith presented, giving the record of fires that have occurred during the year ending December 31, 1922, together with such information as I think may be of interest to the Town.

Finances

Our financial transactions are all embodied in the report of the Town Accountant to which we would respectfully refer you for any information you may desire in that line.

Manual Force

The Department consists of five permanent men (including the Chief) and twenty-five call men. On November 29th, Onissey V. Bennett, a call member of Combination B Company, died. He joined the Department July 27, 1897.

Apparatus

Combination A, a Knox triple combination pumping engine has been in service over nine years and is beginning to show signs of wear. The wheels on this machine have been rebuilt twice and will have to be replaced during the coming year. The fire pump was overhauled this year but is still unsatisfactory and I feel that this part of the machine will have to be rebuilt during the next few years. Combination B, a Robinson double tank combination and hose truck, has been in service six years. This machine has had a few repairs during the year but is in good condition now. Ladder 1, a Robinson combination service ladder truck, has been in service six years. In January of this year the motor was replaced by a White motor which has proven very satisfactory. Hose 2, a Ford ton chassis, equipped with a wagon body still gives very good service.

Recommendations

There has been but little increase in the number of hydrants in the last few years although the town has been built up considerable. I would recommend fire alarm boxes as follows, one on Orange Street, one on Woburn St., near Linden, one near the easterly end of Green St., one on Vine St., and one at the Pumping Station. I also recommend new doors on Hose 2 Station and twelve new chairs.

Fire Prevention

I have issued 538 Permits for fires out of doors, 6 permits for domestic use of Fuel Oil, 4 permits for the sale of fireworks, 3 permits for blasting, 6 permits for the storage and sale of gasoline. I have made regular inspections of public garages and mercantile establishments. In some cases have ordered cellars and back yards cleaned and in a few instances have had to warn of fire hazards but in all cases I find a ready co-operation in making fire prevention what it should be, one of our greatest assets.

Record of Alarms

	Bell	Still	Total
January	3	3	6
February	1	3	4
March	7	11	18
April	14	32	46
May	4	8	12
June	3	2	5
July	4	1	5
August	2	3	5
September	2	6	8
October	5	7	12
November	2	12	14
December	4	2	6
	—	—	—
	51	90	141
Number of miles traveled			799.3
Number of feet 2 1-2 inch hose laid			18,800
Number of feet chemical hose used			1,850
Number feet ladders raised			473
Number gallons chemical used			5,575
Number covers spread			6
Number gallons gasoline used			515
Number gallons oil used			25
Value of property in danger			\$102,620.00
Insurance thereon			77,750.00
Loss thereto			14,786.95
Insurance paid			13,992.95
Uninsured loss			794.00
Call for lung motor			1
Call to help horses cast			4
Call to help horse out of cesspool			1

Conclusion

In conclusion I wish to extend to your Honorable Board, to the Town Accountant, Treasurer and the Finance Committee our thanks for the courtesies and co-operation I have received during the year. I wish to compliment the officials and members of the department on the prompt and efficient manner in which they have performed their duties. I also wish to express my thanks to the Eastern Massachusetts Street Railway Company for the use of current, to the Chief of Police for services rendered by his department at fires and to the employees of the New England Telephone and Telegraph Company for the prompt and efficient service rendered in receiving alarms by telephone.

ORVILLE O. ORDWAY,
Chief Fire Department.

REPORT OF SUPERINTENDENT OF FIRE ALARM

To the Board of Fire Engineers:

Gentlemen:—The fire alarm system is in good condition. General repairs have been made, old cross arms replaced and trees trimmed to give clearance.

Lightning caused more trouble than usual this year. Boxes 13, 223, 225, 39 and 412 which were burned out have all been cleaned, oiled, rewired and had new contact fingers installed.

A Gamewell tape punching register has been placed in the Hose 2 house, also a testing station so that the punching register and tower striker can be connected to either circuits 3 or 4. Tests for open circuits and grounds can be made from there.

The system consists of the following:

- 150 cells of storage battery.
- 1 Stevens 5 circuit repeater with necessary switch boards.
- 36 Stevens Boxes.
- 20 Gamewell Boxes.
- 1 United States Box (spare).
- 1 Gamewell Box (for still alarms).
- 2 Stevens tower strikers.
- 1 12-inch Crosby chime whistle.
- 1 Stevens whistle blowing machine.
- 1 Gamewell transmitter with 60 wheels.
- 2 Gamewell tape punching registers.
- 2 14-inch gongs.
- 1 12-inch gong.
- 2 8-inch gongs.
- 11 inch toppers.
- 1 automatic light switch.

Recommendations

That the line from Main Street to the pumping station, which now crosses private land, be run on Mill Street on town poles.

That box 221 in the Union Street School and 223 in the Center School be placed on the outside of the buildings. They would then be accessible for testing and would give fire alarm service to the property in the vicinity.

That boxes be located on Summer Ave. & Woodbine St.; Orange St. near Pierce St.; Woburn St. near Bancroft Ave.; Vine St. north of Mineral St.; Mill St. at the Pumping Station.

In conclusion I wish to thank the Board of Fire Engineers and the Chief of the Department for their co-operation.

The Eastern Massachusetts Street Railway Company for the use of current for charging the storage battery.

Thanks are due the Electric Light Department and the New England Telephone and Telegraph Company for their assistance in changing construction.

Respectfully submitted,

L. T. EAMES,

Superintendent of Fire Alarm.

READING FIRE ALARM

Telephone Reading 0430

112	Woburn and Sanborn
114	Mt. Vernon, Chute and School
121	Main and Haven
122	Haven and Gould
13	Ash and Avon
14	Oak and Hill Crest Rd.
15	Walnut and Summer Ave.
16	So. Main and South
17	Prescott near Arlington
18	Minot and Park Ave.
19	Walnut and Curtis
21	Summer Ave. near Temple
212	West and Howard
221	Union Street School
223	Center School
224	High School
225	Highland School
226	Lowell St. School
227	Prospect St. School
228	Chestnut Hill School
23	Woburn and Temple
231	West beyond Willow
24	Mineral and Hancock
25	Prospect near King
26	Hose 2 house, Woburn St.
27	Summer Ave. near Prescott
28	West south of Oak
29	West and King
31	Lowell beyond Grove
32	Franklin near Grove
33	Lowell, Grand and Gould Ave.
34	Grove and Forest

- 35 No. Main and Locust
- 36 No. Main and Ridge Rd.
- 37 No. Main front of No. 409
- 38 No. Main and Forest
- 39 No. Main and Franklin
- 41 Village and Green
- 412 Car Barns, Willow Rd.
- 42 Haven and John
- 43 Salem and John
- 44 Salem and Pearl
- 45 Salem and Belmont
- 46 Charles and Pearl
- 47 Charles and Haverhill
- 48 Bay State Rd. near Salem
- 51 Main, Ash and Washington
- 53 Main near Cross
- 55 Reading Rubber Mills
- 6 C. H. Bangs Co., Prescott St.
- 61 Lowell near Sanborn
- 612 Bancroft Ave. and Locust
- 62 Spare Box
- 63 Hanscomb Ave. near Weston Ave.
- 64 Central Fire Station
- 65 Middlesex and Bancroft Aves.
- 67 Middlesex Ave. and High
- 8 Out of Town

SPECIAL SIGNALS

- 1 Test 11.45 A. M. and 5.45 P. M.
- 2 Recall
- 22 No school signal
- 3 Followed by a box number 2nd alarm
- 3 Followed in one minute by 3 Boy Scout Call
- 4 Police call

L. T. EAMES, Supt.

REPORT OF TREE WARDEN

The work in the Tree Warden Dept. this year has consisted of trimming and repairing the trees that were damaged by the ice storm of a year ago. There is considerable of this work that remains to be done and I recommend the same appropriation as last year, fifteen hundred dollars. I purchased and planted sixty rock maple trees and I hope to be able to plant the same number the coming year as we have new streets without any shade trees and I have removed a number of old trees that had become dangerous and should be replaced.

Respectfully submitted,

HENRY M. DONEGAN, Tree Warden.

REPORT OF FOREST WARDEN

To the Honorable Board of Selectmen:

Gentlemen:—I herewith submit the annual report of the Forest Warden for the year ending December 31, 1922.

The finances of this department are embodied in the report of the Town Accountant to which I refer you for any information along that line.

For the use of this department I have a Ford truck, 18-2½ gallon extinguishers, 12 8-quart cans and pumps, brooms, shovels and minor equipment.

Before the opening of the gunning season I posted all lots and paths with fire warnings with very gratifying results.

Number of permits issued for fires out of doors	380
Number of calls for grass and brush fires	67
Number of calls from Look-Out Station	17

I have investigated all fires and sent reports of them to the State Fire Warden.

I have appointed the following deputies:

H. M. Donegan, Federal Street.

H. L. Eames, Central Fire Station.

John J. O'Brien, Central Fire Station.

In conclusion, I wish to thank all who have assisted this department in any way during the past year.

O. O. ORDWAY, Forest Warden.

REPORT ON TOWN FORESTS

To the Board of Selectmen,
Reading, Mass.

The Planning Board, appointed as a Committee by your Board, to investigate and report on the possibility of establishing a Town Forest, respectfully report as follows:

This matter has been considered by it at various sessions. In its early stages of consideration the project seemed questionable as to accomplishment owing to the lack of land available and suitable for the purpose. In its endeavor to find such land this Board ascertained that the Town held tax titles on over one hundred acres of vacant land in various parcels, which could be used for this purpose after the tax titles had been perfected by registration in the Land Court, and that it could be expected that the Massachusetts Forestry Association would assist in the establishing of such a forest by planting five thousand trees free of charge in such a site selected for the purpose of a Town Forest.

The Chairman of this Board communicated with the Massachusetts Forestry Association with reference to utilizing this tax-title held land for this purpose, and received a communication from that Association part of which is quoted as follows:

"I am very glad that you have written me because this gives me a new thought which might be used in any town, because there are a large number of towns in the State that hold such land just as Reading does. The cost of securing a clear title through the land court would be nominal, and as to making those areas town forests, it would be an excellent plan, because trees will grow just as well on one acre as on fifty acres, and by making these small areas town forests you will distribute your fire risk. You will also be creating little park areas which eventually will be valuable for recreational purposes, because they are scattered throughout the town. I hope very much that you will push this matter in order that we may have one example where it has been done, which we can use as an argument with other towns. If there is any other way in which I may be of help to you, please call upon me."

It is the opinion of the Board that such vacant land so held by the Town could be utilized for the purpose of establishing a Town Forest, thus also establishing a precedent in this direction, that other municipalities would, in all probability follow.

Respectfully submitted,

CHESTER J. WALLACE,
HENRY Q. MILLETT,
JOHN L. DODGE,
AMOS M. McLEAN,
LEONE F. QUIMBY.

REPORT OF INSPECTOR OF PLUMBING

To the Honorable Board of Health:

The following is submitted as the annual report of the Plumbing Inspector for the year ending December 31, 1922:

Number of permits granted	143
Water Closets installed	90
Bath Tubs installed	71
Lavatories installed	78
Sinks installed	88
Wash Tubs installed	59
<hr/>	
Total number of fixtures installed	386

There have been 106 houses connected with the sewer.

Respectfully submitted,

DAVID TAGGART, Plumbing Inspector.

REPORT OF INSPECTOR OF ANIMALS

February 1, 1923.

To the Honorable Board of Selectmen, Reading, Mass.:

I wish at this time to submit my report as Inspector of Animals for the year ending January 1, 1923.

During the early part of 1922 an inspection of all cattle, sheep, swine, etc., was made throughout the town, at which time any animal showing evidence of contagious or infectious disease was removed and premises disinfected before being used again.

The slogan "Drink More Milk" appears to be followed quite well in Reading, due, no doubt, to the quality of the milk produced.

The dairies which supply the milk to most of our people are well kept with healthy stock and clean equipment.

Remember that milk is the cheapest food known, price and food value compared.

Due to the prevalence of rabies throughout this section it was deemed advisable to issue a restraint order for all dogs within the town limits.

While this order was observed and obeyed by many, some dog-owners looked upon it as of no consequence and many are still looking for their dogs.

Several dogs were destroyed which proved upon laboratory examination to be affected. Fortunately no persons are known to have been injured by any dog which was shown positive.

One cow and several dogs which were known to have been bitten, were treated at the time by the Hoegyes Method, and it is hoped that none will develop the disease.

Several animals which were bitten and not treated have since then proved positive.

I wish the dog-owners would read the back of their licenses and become more familiar with the symptoms of rabies. If this was done and cases of suspicious animals reported many cases would be located before damage was done.

Yours in respect,

CALVERT H. PLAYDON, M.D.V.,

Inspector of Animals.

REPORT OF DEMONSTRATION WORK IN AGRICULTURE AND HOME ECONOMICS

In the Town of Reading for the Year Ending Dec. 31, 1922

An appropriation of \$150 was made at the annual town meeting for demonstration work under the direction of the Middlesex County Bureau of Agriculture and Home Economics. Following is a report of the work done by this organization in Reading.

Agents of the Bureau made thirty-nine farm and home visits during the year. The Agricultural Agent conducted the largest poultry-culling demonstration ever held in the County, with an attendance of 109. He also organized a poultry automobile tour to study some successful poultry plants in the northern part of the County. The Home Demonstration Agent gave five days to three different groups in millinery work, teaching 120 women how to make hats. She also organized a group of women for continued study of home economics projects and gave a demonstration of making dress forms.

Bureau moving pictures were shown once to an audience of 110.

Boys' and Girls' Clubs had a total enrollment of fifty-three enrolled as follows. Canning, 20; Garden, 18; Poultry, 12; Home Economics, 2; Corn, 1. Club Agents held nineteen meetings, at which instructions were given to Club members. Many other meetings were held under the leadership of Mrs. Ida Lucus, who worked in co-operation with the County Bureau. Two-day trips to M. A. C. were won by Laurence Lucus and Annie Crowell. Five dollars in prizes awarded by the Grange for second best work were awarded to Perry Philbrook and Albert Hodgkins. Hobert Crowell made one of the finest records in the County in the Pig Club.

Middlesex County continues to lead all others in the United States in the number of boys and girls enrolled in Club projects. There were 2,965 enrolled in various Club projects and they produced \$75,475 worth of products during the year. All of these young people were under the leadership of Agents of the County Bureau and 184 paid and volunteer local leaders.

ROLLAND L. PERRY, Director.

REPORT OF TOWN COUNSEL

January 25, 1923.

Board of Selectmen,
Gentlemen:—

I submit herewith my report as Town Counsel for the year 1922.

I was consulted by, and submitted opinions to the various departments of the Town, as in previous years. There was nothing of particular interest in that connection.

With regard to litigation—one of the cases of Conary and Jones against the Town on account of death and injuries respectively, suffered at the Lowell Street Bridge was brought to trial during the past year and settled for \$4,000.00 by the railroad. The death case I expect to be reached for trial during the current year and hope that a settlement can be effected along the same lines. I think the Town is to be congratulated in getting out of one of the cases without cost and with the probability of accomplishing the same result in the other.

The case of Herbolzheimer against the Town for injuries is pending and will probably be reached during the current year. This was an accident caused by the operation of the Municipal Light Department, which carries a liability insurance to the amount of \$10,000. The plaintiff is in a very deplorable physical and mental condition, and if a jury find that this was caused by the accident a verdict may be rendered in excess of the amount of the insurance, and the Town will be required to pay the excess.

Other than as above set forth there are no pending matters of particular interest.

Respectfully submitted,

JESSE W. MORTON, Town Counsel.

ANNUAL REPORT
OF THE
SCHOOL COMMITTEE
OF THE
TOWN OF READING

For the Year Ending December 31

1922

SCHOOL COMMITTEE

Walter S. Parker, Ch., 55 Walnut St.	Term expires 1923
Leone F. Quimby, 25 Howard St.	Term expires 1923
Mrs. Elizabeth H. Brown, 83 Prospect St.	Term expires 1924
Henry Q. Millett, 59 Linden St.	Term expires 1924
Mrs. Ida A. Young, 86 Woburn St.	Term expires 1925
Jesse W. Morton, 114 Woburn St.	Term expires 1925

School Committee Office, High School

Clerk, Margaret Hunt	Res. 30 Hill Crest Road
Office Hours, 8.30 a. m. to 4 p. m., except on Saturdays, 9 a. m. to 12 m.	

Superintendent of Schools

Adelbert L. Safford, Office, High School	Res. 8 Middlesex Avenue
Office Hours, 8.30 to 9:30 a. m. on school days	

Attendance Officer

Abigail H. Mingo	Office—High School
------------------	--------------------

School Physician

Charles R. Henderson, M. D.	126 Woburn Street
-----------------------------	-------------------

School Nurse

Mabel M. Brown, R. N., Office, High School	Res. 53 Fourth St., Medford
--	-----------------------------

Janitors

	Salaries
High School, Clement Gleason, 64 Orange St.	\$1,300.00
High School Matron, Ara A. Pratt, 29 Orange St.	1,040.00
Highland School, Jesse N. Hutchinson, 79 Bancroft Ave.	1,300.00
Grouard House, Wm. Killam, 15 Locust St.	127.50
Grouard House, Myrtle Mansfield, 98 Pearl St.	100.00
Center School, David W. Pigueron, 88 Orange St.	1,040.00
Union St. School, David W. Pigueron, 88 Orange St.	
Lowell St. School, Arthur J. Condry, 27 Hancock St.	1,040.00
Prospect St. School, Arthur J. Condry, 27 Hancock St.	
Chestnut Hill School, Harry S. Lovejoy, 47 Hopkins St.	520.00

ORGANIZATION OF SCHOOL COMMITTEE

Walter S. Parker, Chairman

Adelbert L. Safford, Secretary

SUB-COMMITTEES

W. S. Parker, Chairman, is member ex-officio of each sub-committee

Finances and Accounts

L. F. Quimby

H. Q. Millett

J. W. Morton

Books and Supplies

Mrs. Ida A. Young

J. W. Morton

School Houses and Property

H. Q. Millett

J. W. Morton

L. F. Quimby

Rules and Regulations

Mrs. Elizabeth H. Brown

L. F. Quimby

H. Q. Millett

Teachers and Salaries

L. F. Quimby

J. W. Morton

Music and Drawing

Mrs. Ida A. Young

J. W. Morton

Mrs. Elizabeth H. Brown

Course of Study

L. F. Quimby

Mrs. Ida A. Young

J. W. Morton

REPORT OF SCHOOL COMMITTEE, 1922

To the Citizens of Reading:

In conformity to law, the School Committee submits the following report of the School Department of the town for the year nineteen hundred twenty-two.

The schools have made commendable progress during the past year, as indicated by the report of the Superintendent and by the other reports herein contained. We earnestly invite the attention of the citizens of the town to a careful reading of those reports.

Our schools cost a good deal of money, but they are worth it. It has been well said, "The school is the greatest wealth-producing agency in the world, because it develops and furnishes with power and purpose that greatest instrument for creating wealth—the human mind. The wealth of the world, both material and spiritual, is in the possession of the nations that spend most on their schools." President Wilson said, "We must make the world safe for Democracy." But also we must make Democracy safe for the country. If our country is to continue on the safe highway towards an ideal democracy, it must be by means of universal education. The expenses of the School Department are increasing year by year, as we should naturally suppose they would with the increasing number of pupils. This, however, does not account for the whole of the increased expense. Two years ago, by adopting the school budget at the annual town meeting, the voters of the town agreed to the adoption of a new schedule of salaries, considerably in advance of what had been paid heretofore, with a minimum and an annual rate of increase to a maximum for the different grades for those teachers who remain in the service of the town. Those natural increases provided by the schedule have taken effect and account for much of our increased expense in the budget. This year the position of superintendent and principal of the High School have been separated. This would of necessity increase the expense by about the amount of the principal's salary. We have changed the method of financing the Grouard House: Formerly we bought the goods needed to run the establishment and took the money received from the patrons to pay for the goods bought; but under the new plan all money received for food sold is paid to the Town Treasurer and this money cannot be used by the School Committee. In this way the school budget is increased about one thousand dollars. The money turned back into the town treasury should offset the major portion of this sum. It must be borne in mind that the greatest increase comes in the salaries of teachers, and Reading adopted a schedule of salaries somewhat similar to that of other towns of

her size and financial standing. The fuel, repairs, and general maintenance were never so high in cost as the present time.

The finance committee of the School Committee of the present year has made a very careful study of the needs of the repair of buildings and other matters and has endeavored to ask for only what was absolutely needed. In connection with the increased expense of the school budget, the various amounts which are received by the town from different sources should be taken into account. These credits amount to about \$25,000—making the net cost of the schools so much less.

Attention is called to the fact that twenty pupils of the Agricultural Department earned \$10,892.45 during the past year in various projects connected with the school. This department has received from the state authorities high commendation. The report of the school nurse is worthy of careful attention. The health of the children is of first and vital importance in their education. In earlier times the special thing taken into consideration was the knowledge side of education; now education has a wider significance. It is a matter of **growth**. We should begin in the cradle and continue through life. The person should be affected physically, intellectually, spiritually. Character is the end of education and service is the test of character. It is not only, "What do you know?" but, "What can you do?"; not only, for yourself, but can you be of service to your fellow-men and the community? There is a lesson here for parents. The child at the beginning of life soon learns the act of obedience to the will of the parents. If he is rightly trained he should in boyhood days be of service to mother and father in making some contribution to the happiness and welfare of the home. The child who is not trained to do something for the good of the family life is not having a fair chance to make himself a useful member of society later in life. We are born into a world of law and obedience to law is the foundation of all civilization, material, intellectual, social, spiritual. Let us quote from a prominent educator:

"We hear much in these later days about the rights of men—and of women—and all this is hopeful and commendable. But there are still too few to proclaim the rights of children. And yet, children also possess rights, inalienable and irrevocable. It is the right of children and youth to grow and develop; to acquire correct habits, physical, intellectual, and spiritual; and under the most competent guidance to be educated to the highest possible extent compatible with their capacities and endowments; to the end that as individuals and members of society they may occupy those stations in life for which they are best fitted and qualified by nature and by training, and that therein they may discharge duties, perform services, and enjoy the blessings of liberty more abundantly than they could in any other place or sphere in life."

New Schoolhouse

Attention is called to the fact that the buildings now occupied by school children are getting crowded in many schools. In the near future,

we shall be compelled to ask for a new building. Before doing that, we shall have to hire temporary rooms in different parts of the town. The town is growing in widely separated sections and it is going to be somewhat difficult to locate a single building to accommodate all the pupils. The committee has had the matter under consideration for some time.

The terms of Leone F. Quimby and Walter S. Parker expire in February, 1923. These two positions as members of the School Committee are to be filled by election at the annual town meeting in March.

The appropriations asked for are \$141,000, General Account; \$5,800, Agricultural Account; \$500, Tuition to State Industrial Schools.

For the School Committee:

WALTER S. PARKER, Chairman
ELIZABETH H. BROWN
HENRY Q. MILLETT,
JESSE W. MORTON
LEONE F. QUIMBY
IDA A. YOUNG

REPORT OF SUPERINTENDENT OF SCHOOLS, 1922

To the Honorable, the School Committee of Reading, Mass.:

I beg leave to submit herewith my report of the work of Reading schools for the year nineteen hundred twenty-two. This is the twenty-ninth annual report since the office of Superintendent of Schools was established and my tenth annual report to you.

Trend of the Decade, 1913-1923

A backward glance may help us to understand more clearly our present situation and aid us in guiding future developments. Some outstanding features to be noticed are the frequency of changes in our teaching force; the adoption of a salary schedule and the advancement of salaries; the increased number of classrooms required to accommodate a steadily growing school population; the reorganization of the old eight-year Primary-Grammar School and four-year High School into a six-year Elementary School, two-year Junior High School and four-year High School (somewhat modified); new subjects introduced and reorganization and expansion of old ones.

Changes in Personnel, 1913-1923

My report for 1913 says: "The large percentage of new teachers is one of the most striking features of the present situation. Of the twelve teachers in the High School, eight, including the Principal, were new to this school in September. Six of the eight were fresh from college without previous teaching experience." In the grades below the High School "there were six new teachers in twenty-four." For the year 1922 in the High School, there were six new teachers among eighteen; in the Junior High School, three new teachers out of thirteen; and in the Elementary Schools, one new teacher in twenty-four. There is not a single teacher now in the High School or in the Lowell Street School that was employed there in 1913; three are all that remain among seventeen at the Highland School (thirteen Junior High School and four Elementary); there is one left at the Center School, the Prospect Street School and the Chestnut Hill School, respectively, and three at the Union Street School. None of the supervisory or special teachers are the same as in 1913. At that time Supervisors of Music, Drawing and Penmanship were employed. We have the same number of Supervisory Officers now but a Director of Standards and Guidance has superseded the Supervisor of Penmanship. In 1913 we had one special teacher of Manual Training (Highland School) and one of Sewing. There have been added to these during the past ten

years: A teacher of Manual Training (High School), a teacher of Cooking (Grouard House), a teacher of Agriculture (High School), three teachers of Physical Training: one for Junior High School, one for High School boys, and one for High School girls. The two latter devote about half their time to teaching other branches. There has also been added a School Nurse and a High School Principal. In 1913 one clerk was employed for the Superintendent of Schools. At present two additional clerks are in service, one for the Principal of the High School and one for the Principal of the Junior High School. In 1913 we had an Attendance Officer and a School Physician. The duties of Attendance Officer have been assumed by the Dean of Girls of the High School who, in addition to advising and disciplining girls, superintends the School-Committee accounts and records and the High School lunch, and teaches classes in Business Practice. There has been a change also in School Physician. The number of Janitors remains the same as in 1913. At the High School and Highland School the same persons are still in service. The other janitors have been changed. The Lowell Street and Prospect Street Schools are now cared for by one man and an additional janitor (part-time) is employed to care for the Grouard House.

Salaries of Teachers, 1913-1923

The most important factor in increasing the frequency in changes in teachers has undoubtedly been the payment of lower salaries than have been offered to many of our teachers by competing towns and cities. Fortunately not all who have received offers of higher salaries to go elsewhere have accepted. The lowest salary paid a teacher for full-time service in 1913 was \$450; the highest salary paid in primary grades was \$575. Now the minimum is \$1,000 and the maximum \$1,400. In grades seven and eight the highest salary paid in 1913 was \$700; now it is \$1,500. In the High School the lowest was then \$550, the highest \$900; now the minimum is \$1,300 and the maximum \$1,800. During this period—especially during the past five years—teachers' salaries have increased in similar proportions to the increases in Reading throughout the United States and Canada. While the wages of common unskilled as well as skilled labor soared to very abnormal heights during the war, the salaries of teachers advanced more gradually and have shown thus far no marked tendency to decline. In fact, numerous instances have been reported recently in which further increases have been made or are implied in new salary schedules adopted to take effect in the near future.

A considerable tendency is manifested towards equalizing the salaries paid in different grades. As a step in this direction the salaries of Elementary-School teachers have been advanced generally much more than the salaries of High-School teachers.. Nearly all towns have adopted salary schedules with a uniform minimum, maximum and annual increase. Recognition of professional study by granting a specified increase of salary for the completion of a prescribed number of semester hours of normal school or college work is a common feature of salary schedules and

a practice that is on the increase. It has not been adopted in Reading, however, but has much to commend it. In 1913, Reading ranked low among towns of its size in the scale of teachers' salaries—especially in salaries of teachers in grades below the High School. Consequently other towns were constantly “skimming the cream” and taking it elsewhere. Today Reading stands a little higher relatively: Our teachers' salaries are now about the median paid in towns of our size throughout the state. A member of our School Committee who has investigated the matter stated recently to the Town Finance Committee that, among the nineteen towns nearest in size to Reading, six towns paid somewhat higher salaries than Reading, seven towns paid slightly lower salaries and the remainder practically the same as Reading. It appears therefore that Reading is paying no higher salaries than necessary to maintain the quality of its teaching force at present standards.

Reorganization and Increased Number of Schoolrooms, 1913-1923

In 1913 there were eighteen schoolrooms in use for the first six grades. Six new rooms have been added since: Two at the Lowell Street school, two at the Prospect Street school, one at the Chestnut Hill school and one at the Center school. When these rooms became available a reorganization of the whole system was effected. The four district Primary Schools: Center, Prospect Street, Lowell Street, and Chestnut Hill were organized as Elementary Schools, comprised of grades one to six inclusive; the seventh and eighth grades in the Highland School were organized as a central Intermediate or Junior High School; and the High School was modified as required to harmonize with the plans for the grades below it. About this time the Grouard House was moved to a lot adjacent to the Highland School and the “Reading Home-making School” was organized in which pupils from the Junior High School and from the Senior High School are taught cooking, sewing, home nursing, and other branches of Domestic Science and Arts. Also a Health Center and Dental Clinic are carried on here by the local Red Cross and other agencies.

Recently owing to the extremely crowded condition of the Highland School, Junior High School classes in French have recited at the Grouard House. Also pupils from the fifth and sixth grades of the Elementary Schools go to the Grouard House for instruction in sewing.

New Subjects and Courses, 1913-1923

Only three new subjects of study have been introduced into the Program of Studies of the Reading Public Schools in the past ten years, namely: Cooking, Spanish, and Agriculture. All the other subjects now taught were to be found in the Schools in some form, often in rather meager proportions, however, previous to 1913. While several subjects have been greatly expanded both in subject matter and in time allotments other subjects have been considerably curtailed. The adoption of the longer school day, however, in both the Junior High School and the Senior High School afforded the necessary time in which to provide new

educational advantages to our pupils without unduly curtailing anything that they already had. In some instances the simpler elements of subjects taught previously in the High School only, such as French, Business Practice, and Typewriting, were introduced into the Junior High School; in other cases more advanced aspects of subjects previously confined to the Grammar School, such as Manual Training, Physical Training, Personal Hygiene, and Community Civics have been carried forward into the High School; also in both Junior High School and Senior High School a judicious arrangement of electives has enabled pupils to pursue certain preferred subjects over longer periods so that they gain a high degree of proficiency in one or two major subjects instead of the more superficial knowledge that must necessarily characterize the results of a greater variety of shorter courses. For example, a pupil entering the Junior High School is privileged if his parents so elect to pursue any of the following subjects continuously for six years: Mathematics (other than Arithmetic), French, Spanish, Science, History, Commercial Branches, Manual Training, Household Arts, English and Physical Training continuously, and certain courses in History, Civics, and Hygiene are required of all pupils but other subjects may be elected as they contribute to the major purposes of the pupil in his school course. The principal subjects that have been expanded in the past ten years into longer courses are as follows: (Figures in parenthesis show longest period offered)

1. Commercial Branches: including Business Practice (3 yrs.); Typewriting (6 yrs.); Shorthand (3 yrs.); Bookkeeping (3 yrs.); Office Practice (1 yr.) and Commercial English (2 yrs.).
2. Modern Foreign Languages: consisting of French (6 yrs.); Spanish (6 yrs.); German (4 yrs.).
3. Manual Training for Boys (6 yrs.) mostly wood working but affording some opportunities for printing (Junior High School 2 yrs.) and for gardening and other manual arts.
4. Household Arts for Girls (6 yrs.) including Cooking, Sewing, Home Nursing and other arts of caring for a real house (Grouard House, School of Homemaking).
5. Science: includes General Science (2 yrs. in the Junior High School) and Applied Biology (1 yr.); Applied Physics and Chemistry (1 yr.); General Chemistry (1 yr.); Analytical Chemistry (1 yr.) and College-Preparatory Physics (1 yr.) in the Senior High School.
6. Hygiene: this includes health teaching throughout the system, health inspection by School Physician and Nurse, special classes for little mothers (nurse girls) and Home Nursing, and Physical Training carried on by professionally trained teachers.

The college preparatory courses in English, Latin, Mathematics and History were fully developed previous to 1913 but have been strengthened to keep pace with the increasing demands for college entrance. Any pupil with an intelligence quotient sufficiently high for college en-

trance can obtain at Reading High School all that is necessary to prepare him for admission to any college. The variety of subjects offered, the length of time allotted to them and the quality of the instruction given by the teachers are each and all sufficient for the purposes of adequate preparation for admission to any college. A few subjects like Greek, English History and Advanced Physiology have been omitted because an insufficient number of pupils have chosen these courses to warrant the formation of classes. They can be restored at any time if there is sufficient demand for them.

Broadening Scope of School Functions and Responsibilities

To "bring up a child in the way he should go" has been regarded from time immemorial as a parental function. But as patriarchal authority has declined and the bulk of human knowledge increased the tendency to organize schools has developed and more and more the schools have superseded the home as the chief agency in training the child in many important matters. The three R's, Reading, 'Riting and 'Rithmetic were for a long time the principal subjects of the common school; later Spelling, still the Shibboleth of plebian culture, was added; then Geography, Grammar, and United States History. In general the schools of those times were more concerned about imparting knowledge than about developing in their pupils power to use that knowledge in the practical affairs of life and were not at all concerned about the motives of the pupils in the use to which they might apply their knowledge: whether they should be mercenary and selfish or philanthropic and serviceable to the Social welfare. The form and much of the content of those schools of an older generation we have inherited and our schools are still obsessed for the most part with the notion that the *sine qua non* of educational procedure consists of committing something to memory from a book and being able afterwards to reproduce it in substance in a written examination. "Knowledge is Power" is an ancient aphorism but the knowledge that gives power must be comprehended and experienced not merely memorized out of a text-book. A recent writer calls for a "broader conception of education in which the acquiring of book-knowledge and the training of the intellect shall be subordinated to training in the art of living." Speaking of the ideals of a group of High School pupils, their teacher said, "The highest compliment those students can pay to a person is to say that 'he proved equal to the occasion'." How could we better express the end towards the attainment of which knowledge, discipline, intellectual acumen, and emotional dispositions should contribute. "To be equal to the occasion" in all the relationships of life would make possible the largest service and the greatest personal satisfactions. Knowledge, discipline, intellectual acumen, and emotional dispositions are not ends in themselves; they are only the means to the end of making a more efficient and happy contributor to social welfare. Prof. Albion Small says: "The teacher who realizes his social function will not be satisfied with passing children

to the next grade. He will read his success only in the record of men and women who go from school....zealous to do their part in making a better future. Sociology demands of educators....that they shall not rate themselves as leaders of children merely but as makers of society." Prof. John Dewey says: "I believe that education is the fundamental method of social progress and reform." In a new book entitled "The Child and the School" the author says in the introduction, "The gap between school practice and the modern point of view....is painfully apparent. There are numerous signs indicating that the old educational order is passing; there are vital tendencies everywhere showing the newer trend of the times.....Educationally speaking we seem to be 'Between two worlds, one dead, the other powerless to be born.'" Dr. Wheeler writing of "Bergson and Education" finds "the Boy Scout movement a much more significant indication of modern educational tendencies than the public schools." "The scout is a member of a community. He is called to live a life with risks, adventures, and responsibilities; he is compelled to face real, concrete problems. Of course he may seek knowledge from men or books in order to solve these problems; but he is never forced to obtain it out of relation to life. To a scout the acquiring of knowledge is subordinated to living a life and to fulfilling of responsibilities towards a community. The scout movement is based on the sound educational principle that the best preparation for life is participation in life—a principle which so far has been very imperfectly realized in the conventional school system."

Mr. Henry Seidel Canby in "The Literary Review" says: "Education does not mean information. It is not what you know but what you can do with what you know that makes education. Intelligence is not education; intelligence uses education. Training, whether in the classics or in mining engineering, is only a part of education, not the thing itself. The educated man has learned to relate one field of knowledge to another; he has learned to interpret facts and subdue them to his own uses....School from the earliest years was for most of us a series of subjects taught with little relation to life and less to each other. Better practice here and there.....in the public schools are beginning to substitute for a cramming with facts a real leading onward of the child's mind and at the other end in the last years of advanced universities, education has come into touch with life and regained internal harmony. But between these extremes is the Great American Desert. Fine spirits are seeking for a trail but meanwhile thousands of youthful minds parch and grow arid or lose all capacity for intellectual thirst."

Dr. Joseph K. Hart, Editor of the Education Department of the "Survey" says: "The school, if it is to do the work of democracy and support the efforts of science, must return from its academic aloofness and find its place once more in the midst of the actual experiences of life and the world—must draw them in, must go out to them. What goes on inside of schools must be seen to be the approach to what goes on outside of schools."

There is another angle from which this problem may be regarded: that is the expense to the community, the loss of productive labor, and the unhappiness and ill health, physical and mental, caused by misconduct. We are apt to think of school discipline merely as a factor in carrying on efficiently the routine of the school but in reality the administration of the school discipline affords the opportunity and means for teaching the child to form helpful social relationships, to subordinate his own selfish impulses to the rules of the game, to achieve self-control and self-direction, and to display qualities of leadership.

Such an accomplishment is the most important single object that the school can obtain.

Thomas C. O'Brien, Esq., District Attorney of Suffolk County, is reported to have said in an address in Reading not long ago: "We must stem the stream of juvenile delinquency and it is up to the community to do this. Three quarters of juvenile offenders do not have proper community training. Investigation shows that fifty-seven percent of juvenile offenders have had absolutely no moral training. All the police courts in the country will be of little avail in decreasing crime if the children are not taught. The Boy Scout movement is a great factor in stemming the stream of juvenile delinquency. Organized play under proper supervision is one of the greatest aids to crime decrease."

About \$54,000,000 was expended in Massachusetts last year by social agencies including the State—more than one hundred dollars a minute—on account of social misbehaviour. It has been stated that one in every two hundred inhabitants is in jail or other places of detention for crimes and misdemeanors.

Nearly one fifth of the entire expenditure of the Commonwealth of Massachusetts last year was for the care of persons suffering from mental disease. This is more than was expended by the State on highways, water ways and public works combined and nearly seventy percent more than the State itself expended for education. It is a well established fact that many of the cases of insanity originate in childhood experiences and attitudes and if taken in time may be corrected before insanity or other nervous disease supervenes. About seventy-five thousand persons annually are committed to insane hospitals in the United States and uncounted other thousands not so committed are incapacitated for productive labor, are miserably unhappy and are a menace to morals and the Public Safety because of nervous diseases. All or nearly all these persons pass through our schools and we do nothing or nearly nothing about it. I think Dr. Kline is authority for the Statement, that one person out of every ten you meet on the street is likely sometime in his life to be an inmate of a hospital for treatment of Mental diseases.

This statement occurs in a Teachers College Bulletin from Columbia University: "Today it is apparent that teachers in general would benefit by another type of program than the typical course of study. They require a restatement of their task in terms of the changes in intellect, character, and skill to be effected in their pupils. This program would

supplement and not supplant existing courses of study. Those habits and attitudes essential to successful living and desirable for their own sake would thereby be stressed as the main objectives of education."

For convenience lists of habits are arranged under five captions: health habits, personal habits, social-moral habits, intellectual habits, motor habits. There is also a special list of habits of children to be established by parents in the homes. Another pamphlet issued by the Bureau of Publications, Teachers College, Columbia University, N. Y. is the Upton-Chassell Scale for Measuring the Habits of Good Citizenship. Prof. Conklin in "The Trend of Human Evolution" says "Useful behavior is the residue left after useless responses are eliminated and it is not necessary to hold that fitness is always the result of the elimination of unfit persons. It is often the result of the elimination of unfit reactions: natural selection is not only personal but also intra-personal".....

Of the judge of a famous juvenile court it has been said: "He has recognized the essential character of his task—that a juvenile court has real justification only when the judge tries to enter the mental life of the juvenile delinquent, to sense the underlying tendencies that lead to crime, to enter into so intimate a relationship to the boy or girl as to secure confidence; for only such a contact makes it possible to exercise an educational influence. In the center of the proceedings is always the child himself and the main aim is to secure his full open confession, a proof that he has gained the confidence of the child. Only rarely does he convict on evidence of witnesses and in the eyes of the judge that resort is proof of his own failure." The judge's secret, in part at least, surely is that he is not as a rule seriously concerned with the misdeed that has been committed but very seriously with the defendant as a human being, and therefore always appeals to whatever he finds of good in him. Dr. Hugh T. Patrick says in an article on "The Patient Himself": "In assisting to adjust a patient to necessary conditions frequently we have to show him he can do things he says he cannot do.—Our job is to make him equal to the task he is trying to escape or so modify the task that he can perform it, or give him another which he can do with satisfaction. Some of the greatest and most beautiful work of all time has been done by men and women who are too much controlled by their emotions, too sensitive to the jars of a battling society, too unstable to carry the gross burdens of a materialistic world. Ours the task, then, to strengthen their intellectual control, to toughen their shrinking sensibilities, and to adjust the burden to the bearer. Thus may we too add to the sum total of human health, happiness, and progress."

It has been a source of great encouragement and satisfaction that one of our leading business institutions has recognized the importance of this all around development of personality and power of constructive action. The Directors of the First National Bank of Reading have offered a first prize of fifty dollars and a second prize of twenty-five dollars to the pupils of the High School who have made the greatest im-

provement during the school year. The award will not be based on scholarship alone but on the functioning of the whole personality, physical, mental, and moral in all relationships of daily living.

The work of the Attendance Officer

Changes of residence to another town caused the resignation of our attendance officer during the summer. The occasion seemed opportune for making a careful survey of the local situation in respect to the kind and amount of service that should be expected of this officer. Accordingly, since the opening of schools in September, I have given considerable personal attention to the cases referred to the attendance officer for adjustment. The conception that an attendance officer with brass buttons chasing a boy around the block into a back alley and over the fence may be suitable for the "movies" but is useless in real life. The attendance officer should be a liaison officer to maintain proper co-operation between the home and the school especially in securing regularity of attendance and a proper observance of governing the behavior of children. It is safe to say that in ninety-nine cases out of every hundred where pupils play truant or are guilty of serious infractions of discipline, there is something wrong in the pupil's home situation and discipline. Sometimes the wrong attitude is in the pupil, sometimes in the parent, sometimes in both. Often the difficulty is magnified by antagonism towards the school or the teacher on account of some real or mistaken grievance. It is the business of the attendance officer to find some satisfactory adjustment for all these difficulties and if parents and pupils prove refractory to invoke the aid of the law to enforce a proper co-operation with the school. Some parents resent what they regard as the unwarranted interference of the attendance officer. The law however imposes some very definite duties and responsibilities upon this officer. It requires the pupils from the ages of seven to fourteen and if unemployed until sixteen to attend school during the entire time school is in session unless excused by the superintendent of schools or teachers acting under his authority. The enforcement of this law devolves upon the attendance officer who visits the parents and often finds it necessary to enlighten them in regard to their duties and the rights of the child to receive an education. Sometimes a contagious disease or other illness causes absence from school. In such cases the aid of the School Nurse is invoked. Sometimes irregularity in attendance is caused by loss of interest through failure to make satisfactory progress in the School studies. In that event the Director of Standards and Guidance is consulted. If symptoms of malnutrition, general ill health, chronic heart affection or tubercular tendencies are present the School Physician is called to make a thorough examination and diagnosis. The findings are reported to parents and remedial measures are recommended. In case of poverty the aid of charitable organizations is enlisted to supply funds for treatment. The various agencies are thus working together, each contributing its particular service for the welfare of the

children. Further details may be found in the reports of the Principals and in the respective reports of the Attendance Officer, School Nurse, and Director of Standards and Guidance.

The health program as outlined in last year's report has been carried on with increasing efficiency. The joint health committee of women has maintained a Pre-school Clinic at the Health Center at the Grouard House. A Schick-Test Clinic at the Grouard House for the prevention of diphtheria is in process of organization under the joint management of the Reading Board of Health and the School Physician. More attention is being paid to behavior problems and the formation of correct physical and mental habits by the children. The School Nurse, the Director of Standards and Guidance and the Attendance Officer who is also Dean of Girls in the Senior High School—all make careful observations of emotional attitudes, behavior reactions, and other symptoms of the state of the child's mental health and so far as possible arrive at a sympathetic understanding of the motives underlying his actions. Suitable corrective measures are taken whenever it seems possible.

The Agricultural Department

In September 1921 a few ex-service men applied for agricultural instruction under the direction of the United States Veterans Bureau. During the past year a class of ex-service men averaging about fifteen members has been in daily attendance. The regular class of high school pupils in agriculture including two girls has maintained the high standards set by previous pupils in this department. On account of the ex-service men a half-time teacher additional has been employed. Your attention is called to the report of the Instructor in Agriculture, Mr. Sussmann. It shows that the department is in excellent condition. In addition to the reports already referred to your attention is invited to the reports of the principals of the Senior High School and of the Junior High School and to that of the Supervisor of Drawing.

The work of the principals of the Elementary schools, of the Supervisor of Music, and of the special teachers of Manual Training, Cooking, Sewing, and Physical Training and Athletics have been conducted on a comprehensive scale and in a very successful manner. If space permitted I should be glad to speak of each one in particular. I also wish to commend the success attendant upon the management of the extensive lunches at the High School and Highland School, the mid-morning milk lunches in the several schools, and the hot, noon lunch at the Center School. A great deal of valuable special service is rendered in connection with these lunches by the teachers, without extra compensation. They deserve the appreciation of the School Committee and the parents.

It is said that "trifles make perfection but perfection is no trifle". I feel that a large amount of carefully and scientifically executed work has been done by the teaching staff of the Reading Schools during the

past year and that results of an unusually high order have been secured in many instances. A large number of our teachers are taking special late-afternoon or evening courses and many studied in the summer schools.

The standards of Reading Schools are steadily advancing as a result. I wish to thank the School Committee and all of the employees of the department for the valuable contribution each one has made to our common success.

Respectfully submitted,

ADELBERT L. SAFFORD,

Superintendent of Schools.

REPORT OF PRINCIPAL OF SENIOR HIGH SCHOOL

To Mr. Adelbert L. Safford, Superintendent.

Sir:—I have the honor to submit to you the report of The Senior High School for the year 1922.

At the close of the school in June, 1922, the enrollment of the school was approximately 420. At the opening in September, 1922, the enrollment was 442. This shows a decided increase in attendance. It is expected that at the opening of the school in September, 1923, the enrollment will be about 460. This estimate is based on the expected number of pupils who will enter the Senior High School from the Junior High School, together with such pupils as will enter from North Reading, Tewksbury, and Wilmington. The attendance figures of 442 do not include the service men who are taking the work in the agricultural course, under Mr. Sussmann.

Much attention has been given this year to backward pupils, in the hope of aiding such pupils to be successful in their school work. A teacher coach is being employed and assists such pupils as need special help. This work has proved to be very successful and has saved many a pupil from failure and discouragement. This work should be carried still farther, and I feel that it would be both a financial and scholastic piece of administrative economy if a special teacher coach could be added to the school staff. Much attention has also been paid to the adjustment of the programs of the pupils so that they may be given a course suited to their physical and mental capabilities.

A new system of marking has been put into operation and after investigation and a careful survey of results it seems to justify its use. The mid-year examinations have been discontinued. The pupils are given bi-monthly examinations, and once a month, approximately, are given a review examination. These examinations each count one-third of the scholastic rating, and the other one-third is obtained from the daily work of the pupil. Together with this the teacher takes into account the interest and attitudes of the pupils in determining the final rankings. Under this system the daily work of the pupil is stressed.

In determining the possibilities of the pupils much use is made of the intelligence tests as given by Miss Whittemore. It is to be regretted that no such tests can be obtained from pupils who attend the high school from the outlying towns. Such intelligence tests are a great help in the adjusting of the pupil programs, as well as a considerable factor in determining the possible achievements of pupils.

The co-operation between the home and the school this year has had a very marked impetus. The administrative office is in almost constant touch with the parents in the matter of school work adjustments, and in almost all cases where the co-operation of the parent has been asked it has been willingly given. It is hoped that several parent-teacher meetings may be held soon.

The activities of the school are best expressed by saying that they are booming. The athletic debts have been removed and at present there seems to be no reason why any further debt should accumulate. The stimulation of this condition is pronounced. The boys' athletics are under the supervision of Mr. Taylor, and the girls' athletics under the supervision of Miss Bean. These new teachers are very successful in their duties.

The boys and girls participated in a series of class basketball games preliminary to the carrying out of the regular school schedule. Both girls and boys are represented by inter-scholastic basketball teams. The boys' team has become a member of The Middle-Essex Basketball League, and bids fair to contest successfully for top honors. The girls' team is engaging in a series of games with nearby high schools. The baseball team is once more entered in the Middlesex League.

The school newspaper, The Round-Up, is having a very successful year. The paper has been increased in size and at present there seems to be no reason why it should not complete the year without debt.

A new spirit seems to have arisen in the matter of inter-scholastic debating. Mr. Belmore and Mr. Halpin are acting as coaches for the boys' team, and Miss Kershaw and Miss Bean are the girls' helpers. The boys have entered an inter-scholastic debating league, and it is expected that the girls will have several debates with other nearby high schools.

The operetta, under the able direction of Mr. Sussmann and Mr. Wilson, was a splendid success, and the senior play, under the direction of Miss Abbott and Miss Kershaw is being planned.

The work of the student council has been very valuable this year. The members of the council have taken over many of the responsibilities of the student activities and have carried such activities and responsibilities very successfully. They have organized fire and traffic squads which have proved to be very efficient bodies. In one of the fire drills the building was cleared of pupils in a few seconds more than one minute. This is an indication of the efficiency of these student squads.

A class in office training has been formed. This class is made up of pupils from the commercial department who show marked ability in studies and the carrying of responsibilities. These pupils are under the direction of Miss Quimby and Miss Greenhalgh. These pupils carry on the listing and filing of stock room supplies, take care of records, etc., and in this way obtain actual business experience of a very practical sort. To

some pupils are also delegated the responsibility of caring for study rooms, and some use is made of post-graduate students for purposes of tutoring slow pupils in various subjects.

The manual training department has proved to be of very great help in the repairing of school furniture. Under the direction of Mr. Boehm this department has given splendid aid in the making of scenery for the plays and operettas. The boys are thus enabled to obtain very valuable training.

One of the very valuable features of the school is the lunch room. This department is being managed very successfully by Mrs. Mingo. It is to be hoped that in time every pupil in the school may find a way of having a warm lunch at noon-time, as I believe this will aid their health, and thereby their scholastic efficiency.

In making a survey of the Senior and Junior Classes I find that about sixty pupils are preparing for college, and about fourteen for normal school.

There seems to be an opinion among a few parents that the organization of the high school should be directed toward preparing for college, at the expense of all other educational factors. It can readily be seen that when only about 14% of the total student body prepares for college that such an organization would not meet the needs of the other 86% of the pupils.

Despite the fact that no attempt is made to organize the school particularly for college preparation, there are many adjustments made in the organization with the view of aiding such pupils as wish to attend college. This together with the scholastic standards of the school makes it possible, apparently, to satisfy the needs of those who are entering college.

Sixteen pupils offered themselves for college entrance this fall (1922), and none failed to be admitted. At the last reports none of these pupils were in danger of being failed in college. This seems to prove that the training in the high school is adequate, provided the pupil takes full advantage of its possibilities. The school, of course, should not be held responsible for the unwillingness of a pupil to prepare himself properly for college.

It seems, in surveying the situation that the high school is moving along successfully.

One of the fundamental reasons for the success of the school can be traced to the very loyal co-operation of the teaching staff. I believe that the loyalty and the thoroughness which the teachers of the Reading High School bring to their work might easily be a source of envy for other school administrators. The spirit of the teaching force would be hard to improve upon.

It seems to me that the things which should be considered for the future are—an increase of the teaching staff to take care of the in-

creased enrollment; the hiring of a teacher coach; an increase in the seating capacity of the school; an arrangement for at least one more recitation room; a girls' rest room under the supervision of the school nurse or girls' advisor; and an increase in the seating capacity of the gymnasium which, at present, is woefully inadequate.

Thanking you for your very sympathetic and helpful co-operation, I respectfully submit the above report.

E. V. ATWOOD,
Principal, Reading High School.

Reading, Mass., Dec. 31, 1922.

REPORT OF INSTRUCTOR OF AGRICULTURE

Mr. A. L. Safford, Superintendent of Schools of Reading, Mass.

Dear Sir:—I herewith submit for your consideration and approval my annual report of the work of the Agricultural Department for the year ending December 31, 1922.

That the year has been a highly successful one is reflected in the achievements and results as shown in the statistical report to the State Board of Education. This report has been transmitted to the Federal Board as required by the Smith Hughes Bill and the department has received hearty commendation. I do not believe that it is generally known that the department besides being under the supervision of State agents is under the supervision of Federal agents, chiefly because all but a small share of the expenses of the department are paid through reimbursements by the State and Federal governments from the Smith Hughes appropriations.

Each year we are getting a better group of students; better from the standpoint that they are farm-minded and that they think seriously of Agriculture as a life's work. One reason for this is the splendid pre-vocational training that our Reading boys get in the science classes of the Junior High School, also because agriculture is now recognized as a great industry and a worthy vocation for posterity to consider.

I believe we are developing a fine type of citizen through our course, for while we are training the student for a specific purpose we are also giving him time for certain regular high school work which will give him such an educational balance as will develop in him a power to function socially to the best advantage. The diagram herewith submitted, which was drawn by Rufus W. Stimson of the Massachusetts Department of Education and printed in the September number of the "Vocational Education" Magazine, illustrates our plan of instruction.

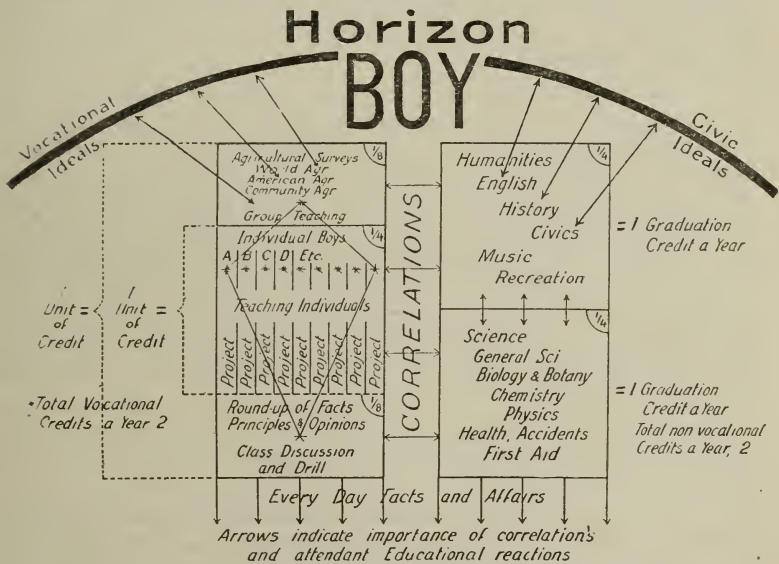
Professor R. Graves of Boston University recently said, "Herd suggestion was never more powerful or more menacing than now. The ever-increasing drift of the people to the cities provides the ideal herding conditions which more than anything else, may endanger our convalescent civilization." The rural mind in conjunction with the better urban mind must keep the balance and not allow the herd to sweep the national life in the wrong direction.

All this is aside from the ever-increasing demand for food, good food at reasonable prices. Better training means better farmers, more and better production per unit, and lower prices. If for no other reason

than self national preservation the urban dwellers must co-operate and understand the rural conditions and aims. They must send some of their best minds back to the land.

We aim to teach our students in such a manner that when they graduate they will not simply graduate into a whirlpool of bewilderment, not knowing where to turn, but will be prepared to take up their share of the work of the world by putting themselves in the way of more training or actual production.

The class work of the year was carried on as usual in two divisions, the Freshmen and Sophomores being in the division studying gardening and soils, while the Juniors and Seniors studied farm management and dairying.



The project work was I believe vastly improved through the use of a diary. Each student was given a small pocket-sized note book in which he recorded daily. So that his records would be complete and useful he was asked to group his chief records under the following heads: 1st, "What have I done today?"; 2nd, "What new thing did I learn today?"; 3rd, "What did I notice today?"; 4th, "What did I learn today?" By means of this little record book the instructor and student were kept in touch throughout the project period. It is surprising how much this form of summer instruction sharpens the powers of observation in the student and how well it teaches him to think while he works.

The financial records kept by the students on their projects were highly satisfactory. The total earnings of the twenty students com-

pleting their projects were \$10,892.45. This of course includes all farm work under supervision. In many cases the parents were surprised to find that the farm labor of their boys amounted to so much.

Give a child a chance to do something and then give him credit for what he does.

The world war veterans who first came to us from the Veteran Bureau in October, 1921, are at this writing in number 15. A few have left or have been dropped. Those that left of their own accord were sorry to go. Those that remain show great interest and desire to make the most of their opportunity. Several of the men are well established on small farms and we hope to teach them how to make a living from some agricultural enterprise. About the school the men are courteous, quiet and studious and on their projects they are industrious. We will do all we can, to compensate, in a small measure, these men for what they have sacrificed.

It was found necessary because of the pressure of the work this fall to enlist the services of another agricultural assistant for part time work. Mr. Batchelder was selected for the place and devotes a part of his school day to instruction in agriculture. Being also a teacher of science in the high school the correlation of his subjects is ideal. Mr. Batchelder is an ideal teacher and his work with the agricultural students has been very successful. This arrangement also gives more time for individual work which is so necessary in vocational training of the project type.

The work for this year includes Poultry for the younger division and Fruit Growing for the upper classes. In Poultry there is exceptionally keen interest, many of the boys having excellent flocks of birds which are producing well.

We are still the largest department in the State and being near Boston, the State Department uses us as a study field for visitors from other states and countries.

It is a very comfortable feeling to know that you are ever ready to advise and guide us and help us make the most of our efforts. All education must be built on kindness and understanding not only toward the subject but also to the great human family.

Yours truly,

RUDOLPH SUSSMANN,
Agricultural Instructor.

REPORT OF PRINCIPAL OF JUNIOR HIGH SCHOOL

Mr. A. L. Safford, Superintendent of Schools.

Dear Sir:—I am forwarding to you, at your request, the annual report of our Junior High School.

Visitors who enter the Highland Building this year step at once into a very busy atmosphere. They find here little of the scholastic noiselessness of academic halls, or the imposing quiet of our old-fashioned grammar school. This is in part due to the nature of the work done in an up-to-date school of today, and in part to the fact that we are so large in numbers that we completely overflow our building.

Our first floor is supposed to contain our Junior High department. This year this department numbers about three hundred, and they are crowded into six class rooms, and a small room on the second floor, never intended for a recitation room. We find it impossible to handle such large classes economically, and so the three hundred are broken up into nine smaller groups, who have their recitations wherever we can crowd them in. Some mornings, when you visit us, you will find a class of thirty-five children reciting in the west corridor upstairs. Miss Whittemore, whose coach work with retarded children is so valuable to us, may be found every morning in the east corridor, with a small group of students whom she is helping, gathered around a small table. We have no room to offer her. Our physical training teacher meets all her classes, seven every day, in our assembly hall for their setting-up drill. During many periods of the week you will find another class reciting at the same time in one corner of this hall, shut off a little from the noise of the exercises by screens. Even these make-shifts are not sufficient, for during the noon hour, when the fifth and sixth classes, who sit in rooms on the second floor, are at home for dinner, we send Junior High classes to their vacated rooms for recitations.

In spite of this congested condition, the work of the school is going smoothly and well. Our teachers are working hard, but with enthusiasm, and with great gains showing all along the line. We are all particularly pleased with our junior class. It is large, about one hundred fifty, and the way in which they have settled into harness, and assumed the new responsibilities which come with the varied work of the Junior High program, is a delight to us all.

Some new departures this year in several subjects studied in the school call for a word of notice. Our printing press, which was mentioned in last year's report, has roused the interest and activity of many

of our boys. This subject is included in the manual training department, and is taught by Mrs. Lucas. As her time for this work is very limited, only a few of our senior boys can be admitted to the print shop for a lesson during the school hours.

But all our boys know a good thing when they see it, and so many of them have managed to secure opportunity to work in the shop by staying after school. They are anxious to work till dark, and as much longer as they can persuade the teacher to remain with them. The value of this printing work to the individual cannot be overestimated. Not only does it teach him to spell, and to arrange all kinds of printed matter properly on the page, but the self-reliance that he gains, and the ability to plan ahead, are really large factors in his growth.

This press has proved very useful to the school. All the various printed forms used in our school are now done in our print shop, and every week the spelling lessons for both seniors and juniors are struck off by the boys in numbers sufficient to supply each individual in the school with a copy.

Our senior English department has received a new impetus this fall. Miss Hood, the head of the department has inaugurated a class paper, "The Broadcast." It is wholly in the hands of the senior pupils, and all the work upon it is done by them. A very modest periodical it is, but grows better with each issue. Every senior feels it to be a stimulus to better English work, for each one hopes that sometime something from his own pen may be selected for some coming issue. So far the paper has been printed outside the school, but the next issue will be done here by our Highland Press, and then the boys and girls will feel that the paper is at last all their own work.

This year, by rearrangement of some other subjects, we have been able to offer the subject of drawing to all pupils of the Junior High School. Hitherto, the industrial and the household arts groups only took the subject. The change has proved a wise one, and the work along applied art lines is going on with very interesting results.

Of course a great school of our size will always have many crying needs, which cry much louder to the principal's ear than to that of the public at large. But there are two serious lacks in our building which have become so insistent in their appeal that I am going to mention them here. The first is the wretched condition of the settees with which our assembly hall is supplied. We have used them very constantly for twenty-six years, a very long time indeed for such use, and they are now so dilapidated that they are unfit for the children to occupy. We never know how soon one of them will break down and precipitate its occupants upon the floor. We have had to discard a number of them, thus removing from the hall seats for fifty students, and others are constantly falling to pieces. For this reason we are unable to assemble the entire school at any time for any purpose.

There is another need which is much felt at this time of the year. Out of the six rooms on the first floor of our building, only two are lighted by electricity. On very dark days at this season of the year, the teachers in these unlighted rooms are obliged to suspend all work which calls for writing, reading from the board, or other use of the eyes. In this way much valuable time is wasted. If these four rooms were lighted we should find ourselves equipped for the darkest days.

This year the school received from the senior class, who were graduated in June, a very charming class gift. It is a large, handsome state flag of silk, suitably inscribed with names of the school and donors. We have hung it in the assembly hall, where it is much enjoyed by all who see it.

In closing, let me say that the school is doing today the best work in its history, and that the fact is due to the earnest work and faithful co-operation of our splendid corps of teachers. Reading is greatly favored in having its young people of Junior High School age under the tutelage of such a body of wise and efficient workers.

Respectfully submitted,

ALICE BARROWS.

REPORT ON STANDARDS AND GUIDANCE

Mr. Adelbert L. Safford,
Supt. of Schools, Reading, Mass.
Dear Sir:—

At your request, I herewith submit, with pleasure, my third annual report of my work in "Standards and Guidance."

With the understanding that it is "our job" as teachers to make the individual pupil equal to the task he is trying to escape or so modify the task that he can perform it, or give him another which he can do with satisfaction." I am certain that the year 1922, has spelled SUCCESS or has given the RE-ASSURANCE of SUCCESS to the individual boys and girls of our public schools.

When school closed for the holidays on December, the twenty-second, 926 boys and girls from grades 1-6 knew, as well as their teachers knew, their own measure of successful attainment for the year ending 1922.

Someone may ask, "How did they know?" The answer:—"The pupil keeps his everyday class room record: he plays the game, 'Beat My Own Record': he knows how well he succeeded in standardized tests given during the year; he has also tried to contribute of his best to the general good of the school." The general mental test given proves that he has the ability to do the work of the grade to which he is assigned.

So now as I said last year "as we approach mid-years, after we have all worked together to solve the problems and to overcome the difficulties of each pupil, I feel confident that the percentage of non-promotion will be less than one per cent from grades 2-6, except in special cases, and that those promoted next June will have more than covered the minimum essentials and will enter the next grade with a strong foundation for the year's work." The plan is to move onward from year to year in a continuously progressive development.

In the Junior High School, I have given personal help to those who are low in some subject or subjects, and also have helped to restore the good standing of any pupils absent because of illness.

Already from 1920-1922 special rapid advancement has been given to those who were superior to grade. This year we think that the age-grade problem is being solved by this careful diagnosis of the individual in "fitting the work to the child" rather "than by fitting the child to the work."

Sometimes the problem of adjustment is not of age or mental ability, but rather one of the situation and of the environment of the individual. Success has been won by over 75 such special adjustments.

From Sept. 11 to Dec. 31 we have the following record, Grades 1-6:—

Enrolled 494 boys; 432 girls; total—926.

Absent Sept. 11—17; entered later.

Entered Reading School from out of Town—100.

Left Reading Schools—46.

Transfers within the town (district to district)—36.

One hundred boys and girls have entered Reading Schools since September 11 below the Junior High School. Each teacher who has received these strangers has tried to make them "welcome." Not one has lost his grade, although many helpful suggestions, extra work and special attention has been given to each new comer by the teacher and by me. We find that the standards of the Reading curriculum measure up to any standards to grades from Maine to Carolina according to the advancement in grade of each pupil entered for our range of entrants this year has been between these states.

The especially large proposition in my work this year has been the testing of all the pupils above first grade through Junior High School in the standardized tests of Arithmetic. The Peet-Dearborn Progress Tests were used from fourth grade, on.

The results showed that the class room attainment was up to the requirement for each grade. There were **weaknesses** and we shall try to overcome these in our progress this year.

I also tested the 290 pupils of the Junior High School by the National Intelligence Test using two forms,—one to check the other. That testing revealed that the present Freshmen Class of the High School and that the present Senior Class of the Junior High School as whole classes possessed high native ability, that the groups studying together Academic, Commercial and General, were "homogeneous" and that each individual through his own power and effort is able to work along side his fellows and carry his own load.

The Opportunity Room now in its third year of success under the able work of Miss Alda Parker has helped, to date, to solve the problem of adjustment for 40 different boys and girls.

Our first grades this year were carefully organized relative to the mental age of the child. Excellent progress has been made. An exact report of promotions for the year cannot be made at this time, because in two rooms there have been colds, mumps, and measles, thus causing a great deal of absence.

In closing, I wish to express my appreciation of the co-operation of the parents, of the never tiring interest of teachers in the welfare of their boys and girls. I often feel that if boys and girls measure up to

the ideals and ambitions of parents and teachers, the future of our country will be truly **safe-guarded**.

"Last year the army and navy received \$857,000,000. whereas the total appropriation for science, education, agriculture and industry was \$59,000,000. and both army and navy are clamoring for more. Ninety-three cents of every dollar of United States money goes for war, past, present, or to come, and only **one** cent goes for education and the public health."

"We, as teachers shall have achieved a mighty work," says Dr. Daniel La Rue, "if each graduate can be brought to speak not of what 'they' are doing in the town, but of what 'we' are doing."

Your careful supervision and direction of my work, combined with your personal interest in and insight into the needs of the individual child help me to do my work and to understand clearly the purpose and aim for which it was undertaken in 1920.

Respectfully submitted,

FANNIE C. WHITTEMORE,

Standards and Guidance.

December 31, 1922.

REPORT OF SUPERVISOR OF DRAWING

Mr. Adelbert L. Safford, Reading, Mass.

Dear Sir:—

At your request, I herewith submit my first annual report of the Drawing Department.

Consciously or unconsciously we do not escape the need or use of art principles for a single day. Art, then, is not for "the few" but for "the many." It is not held that the training of the public schools will produce artists, but it is held that it will raise the standards of taste throughout the community. Therefore, I am trying to keep the art training in the schools of Reading as practical as possible, touching closely the needs of the community and aiming to cultivate taste and help the students to apply that taste, to the homes, to their dress and in later years to their business. The work is so planned that very creditable results can be achieved even by those of modest ability.

Four main divisions of art study are covered. Representation, Design, Construction, and Art Appreciation. The courses in many cases, begin in the first grade and continue through the High School. Many of the problems are governed by the local conditions: correlation with other subjects, different mediums and material available and the plant life of the town.

Through September and October in all the grades, time is devoted to the drawing of plant forms, because they present the problems of graphic representation in their simplest form; because they are everywhere available, and because the children like them and therefore draw from them with enthusiasm. In the first grade we present the simple grasses, sedges, flowers and berries,—in the upper grades the more difficult specimens. Colors are then recorded in their minds; positions: vertical, horizontal, and oblique lines; also characteristic hues, values, sizes and shapes. Pencil, crayon, chalk, ink and water color are the mediums used according to the grade.

In November and December the three lower grades turn their attention to the drawing of boys and girls in different positions placed in simple backgrounds to make a picture. The pictures tell stories. Toys and animals add to their interest, helping them to develop the memory, imagination and ability to express their observations and experiences.

In the higher grades the time is devoted to drawing objects of still life, helping the pupils to recognize perspective. Books, vases, tumblers, Japanese lanterns and other objects are chosen because they

present either the foreshortened degrees or the ellipse. Later the theory of parallel and angular perspective is introduced, finding its way into picture study and landscape composition. This with lettering offers many suggestions for Xmas cards, calendars and other holiday gifts.

Design takes up the time through January and February. The little folks concentrate on simple borders using vertical, horizontal, slanting and curved lines, also geometric shapes. By a series of drill lessons they become aware of the circle, square, triangle and oblong. The meaning of balance, alternation, sequence, radiation and other principles of design, are introduced. It is hoped that the pupils will see and feel the difference between order and disorder and develop the love of order. These borders are later applied to constructed problems. Their attention is turned also to applied art, such as vases, wall paper, carpets and articles of dress, where examples of such borders may be found.

In the upper classes the design is taken up in a more elaborate form. Design is an arrangement of masses having rhythm, balance, and harmony. The masses or spottings may be taken from natural forms as flowers, birds, butterflies and seashells and conventionalized, or the abstract fortuitous figures may be used. The units of design are then made and repeated for borders, inclosed decorations, square or circular, or continuous surface patterns. All these are applied to practical articles—such as boxes, luncheon sets, book covers. In the high school the designs are made with the intention of adapting them to leather tooling, to stenciling, or to wood cutting. Poster, card, bookplate and cover designing involves lettering, a sense of margins, monograms and a well-related separation of parts.

The ability to letter with precision, clearness, and ease is required of every pupil from the fourth grade up. This in turn calls for accurate measuring,—in the third grade the one inch measurement is taught, in the fourth grade the one half measurement, in the fifth the one fourth, in the sixth the one eighth, and in the upper grades still smaller measurements.

The construction in the first grade is worked out in the form of miniature furniture for doll houses. Electric cars, autos, wagons, churches, houses, boats, windmills and other objects are studied and constructed in the second and third grades; boxes and simple booklets in the fifth and sixth grades, involving measuring, designing and lettering. Constructive thinking and ability in folding and cutting is the chief aim.

The household and costume appreciation courses call for plenty of illustrative material, good and bad. The pupils usually supply these and are led to discriminate between them. Here, experience in selecting according to principles is more important than drawing on paper. The lessons are carried out by the use of a scrap or note book, placing in them illustrative examples, labelled good or bad, accompanied by notes.

In the discussion of these problems the pupils see for themselves that art is not merely a subject to be studied in the studio or museum, but that it exists in good form or bad in all their surroundings, and that they must continually display their taste in the commonest affairs of life.

It is a pleasure to work with the children of Reading and I am sure the Drawing Department will grow in excellence since all the teachers are giving such fine, genuine co-operation. Miss Emerson, our Junior High School assistant in drawing has proven her interest in the work by completing a Saturday morning course in drawing, given by Miss Cleaves of Boston who is one of the best instructors in art in the state.

At this time may I thank you, Mr. Safford for your kind advice and interest in the work.

Respectfully submitted,

M. ADELINE LAHAISE.

REPORT OF ATTENDANCE OFFICER

Mr. Adelbert L. Safford,
Supt. of Schools, Reading, Mass.
Dear Sir:—

Herewith is submitted the report of the Attendance Officer for the year just completed. Since the present officer has had charge of this work only from the first of October, the report will necessarily be brief and touch but lightly upon the work of Mr. Hutchinson, who resigned at the end of the school year in June, 1922. On account of illness, Mr. Hutchinson was unable to attend fully to his duties for some weeks before his resignation and on numerous occasions we received valuable assistance from the Police Department in following up absentees and truants. The latter were not many and the different principals cared for their own problems so far as possible. We thank them and the police for their helpful co-operation on these and later occasions. When school began in September, Mr. Safford undertook the task of rounding up those who for one reason or another were out of school. No detailed record of this was made, but when in October the duty fell upon the present officer, a card index of pupils looked up and visited in their homes was started. From the first of October to the last day of December one hundred twenty-five personal visits have been made to the homes of pupils and their parents informed of absences, lack of promptness, (tardiness), failures in studies due to these causes, and other behaviour problems. In only a few instances have we found parents unresponsive, but in many cases of lack of interest on the part of the children we have felt that the fault lay largely in the home management. We have had occasion but once to swear out a warrant for truancy, and the case was settled without the appearance of the boy in court because, when he found the School Department meant to press the matter, he decided to go voluntarily to a vocational school in a neighboring city rather than be sent to a truant school until he was of age to leave school and go to work. In this case the parents were extremely pleasant to deal with and helped in every way to bring the boy to his senses. In regard to other cases of non-attendance or irregular attendance we have found that some times illness of the child, or another member of the family, lack of proper clothing, unsanitary living conditions, and such causes contributed to the delinquency. On the whole we feel that Reading has comparatively little cause for complaint in this respect, as nearly all the children of school age in the town are at present in school and the majority seem to stay in school as long as possible for them to do so.

School certificates have been issued according to the law to boys and girls under twenty-one who have left school to go to work, or who work during vacations and at other times when schools are not in session. We have found that some firms in Reading are lax in that they either do not demand these certificates when minors come to them for employment or fail to send back these certificates promptly when these minors leave their employ. If, in all cases of minors seeking employment, employers would require the certificates on hand before giving employment, we should have a better check upon the issuance of certificates. Then, if certificates could be returned as soon as minors leave employment, there would be less confusion in regard to the status of the minors themselves. It seems hardly necessary to add that in case of failure to demand a certificate or failure to return a certificate there is a definite law being broken and a penalty attached. The School Department wishes to co-operate with firms in the town, but has a duty to enforce the law on these matters.

The Attendance Officer has one serious difficulty and that is the size of the territory to be covered when looking up stray boys and girls. Reading is large in area and it is impossible to walk and make many visits in a day.

The School Nurse and the Director of Standards and Guidance find the same trouble in making their rounds. If an automobile could be furnished for the use of the School Department, it could be easily managed so that all three might use it daily.

Respectfully submitted,

ABIGAIL H. MINGO, Attendance Officer.

Reading, Massachusetts
December 31, 1922.

REPORT OF SCHOOL NURSE

Mr. Adelbert L. Safford,
 Superintendent of Schools,
 Reading, Mass.

Dear Sir:

I herewith submit my second annual report as school nurse in Reading:

Number of visits to schools	265
Number of visits to homes	444
Children attending dental clinic	742
Children accompanied to doctor	2
Children accompanied to dispensary	76
Miscellaneous visits	123

Number of cases discharged, cured or corrected:

Dental	240
Ocular	17
Surgical	12
Medical	10
Number excluded because of contagion	59
Number discharged to other agencies	7
Time spent in schools	564 hrs.
Number of inspections of children	14,296
Talks to pupils in class	135
Classes conducted	62
Inspection of building and premises	56

School Work.

No important changes have been made in the regular routine of the work. Each school has been visited once a week for the purpose of inspecting for general cleanliness, contagion, pediculosis, sanitary conditions and for the purpose of instructing the children in health habits.

In spite of the fact that the dental clinic has been in operation since October 1921, the number of carious teeth found remains comparatively high. The number reported for the year being 411; of these 244 have received treatment at the school clinic and many more at the offices of the local dentists. There are still many parents who do not realize to what extent the general health of the child is dependent on oral hygiene but seem to consider the presence of decayed teeth in their child's

mouth a matter of small account. Several years ago Prof. Osler stated "There is not a single thing more important in the range of hygiene than the hygiene of the mouth."

The number of tonsil cases shows a decrease of 88; with sixty-six children operated upon during the year.

The medical inspection of our schools has never included, except in selected cases, an examination of the heart and lungs. This sort of examination is not only desirable but essential if prevention is to be our slogan.

In the schools a greater effort has been made to correlate the health work with the other school subjects. This has been made possible by the co-operation of the teachers who have not only been ready to carry on any plan suggested but many of them have invented ways and means of getting health education across to the children. To this end daily health records have been kept, cleanliness contests have been carried on, posters and booklets have been made and health games and songs have been learned. Classes in Home Nursing and Mothercraft have been carried on through the year at the Grouard House.

Follow Up Work in the Home

Four hundred and forty-four home visits have been made (a) to urge the correction of physical defects such as defective vision and hearing, defective teeth, diseased tonsils, adenoids, swollen glands, malnutrition, etc.

(b) to follow up exclusions to see that the instructions of the school physician are carried out.

(c) to investigate absences for (1) illness (2) cases other than truancy.

(d) to instruct the families in (1) hygiene (2) keeping the quarantine laws.

The matter of transportation in home visiting presents a serious problem. As the homes visited are widely scattered and in many cases the families live on the outskirts of the town, very often more time is spent in getting to and from the cases than would be required to make several visits near by.

Dental Clinic

Mention should be made of the splendid work which is being done by Dr. Bates at the Red Cross Dental Clinic. It is the plan of the clinic to have the children return periodically by way of prophylaxis and the number of cases who have returned after six months or more and have required only an examination and cleaning or small amount of work done has been very gratifying. A report of the cases treated at the clinic follows:

Examinations 237; Extractions 339; Prophylaxis 236; Treatments 41; Fillings 795; Total 1648.

Other Agencies

We are again indebted to the Reading Tuberculosis Committee for supplying milk to underweight needy children in the schools and for other material aid; to the Reading Red Cross for free dental treatment in cases where the parents were unable to pay and to the Parent-Teachers Association in the Lowell and Prospect Street Schools for their interest and co-operation in health matters.

In conclusion, I wish to thank the parents and teachers for their splendid support and you Mr. Safford for your understanding interest and ready co-operation.

Respectfully submitted,

MABEL M. BROWN, R. N.,
School Nurse.

Dec. 31, 1922.

READING HIGH SCHOOL IVY DAY EXERCISES
CLASS OF 1922

Reading High School Hall
Monday afternoon, June twenty-sixth, at three o'clock

Class Officers

ROBERT HAM	President
ELEANOR UPTON	Vice President
MIRIAM NICHOLS	Secretary
MARION BROWN	Treasurer

Ivy Day Committee

MILTON VIALI, Chairman	
EVA BRUCE	PAUL MELLEN
DOROTHEA GODDARD	CARTER RUGGLES

Class Motto

"FINISHED, YET BEGINNING"

March. by High School Orchestra

PROGRAM

1. Address of Welcome and Presentation of Class Gift.
Sumner Whenman Pierce
2. Class History. Richard Kenneth Patrick
3. Class Elections. Eleanor Upton
- Piano Solo. Prelude in C. Minor—Rachmaninoff. Rae Esner
4. Class Prophecy.
Russell Buchan Richardson, Marjorie Louise Southwick
5. Class Will. Robert Crosby
6. Class Song. Words by Evelyn Belcher; music by Rae Esner
The audience will please adjourn to the grounds at the front
of the building for the Planting of the Ivy
7. Ivy Oration. Robert Edmond Ham, President, Class of 1922
8. Acceptance of the Spade.
George Burton Long, President, Class 1923

READING HIGH SCHOOL COMMENCEMENT EXERCISES
CLASS OF 1922

High School Hall
Tuesday Evening, June twenty-seventh
at eight o'clock

PROGRAM

MARCH.

High School Orchestra

Prayer by Rev. James J. Cogan.

1. CARMENA (Vocal Waltz) Lane Wilson
School Chorus
 2. BEGGARS SITTING ON BAGS OF GOLD.
(With Salutatory)
Marjorie Fletcher Parker
 3. LOOKING OUT.
Evelyn Gertrude Belcher
 4. THE LAND OF HOPE.
Elizabeth Kelley
 5. FOREST DANCE. Targett
School Chorus
 6. TWENTY-FOUR HOURS A DAY.
Gerry Souther Mussells
 7. THE VALUE OF THE INSTITUTIONAL PAPER IN EDUCATION.
Ruth Robinson
 8. DUX FEMINA FACTI.
(With Valedictory)
Miriam Ardell Nichols
- CONFERRING OF DIPLOMAS. Walter S. Parker
Chairman of the School Committee
- BENEDICTION by Rev. Frank M. Holt.
Director of Music J. Albert Wilson

CLASS OF 1922

College Course

Evelyn Gertrude Belcher	Gerry Souther Mussells
Mildred Helen Emerson	Miriam Ardell Nichols
Elizabeth Kelley	Marjorie Fletcher Parker
Lucy Howes MacDonald	Marjorie Louise Southwick
Eleanor Upton	

Scientific Preparatory Course

Richard B. Abbott	Paul Worthen Fellows
Earle Wallace Bruorton	Robert Edmond Ham
Arnold Clarkson	Richard Kenneth Patrick
Robert W. Crosby	Sumner Whenman Pierce
Arthur Roderick Turner	

Commercial Course

Marion Adaline Brown	Paul Frazer Mellen
Norma Doris Conti	Fred Wylder Merritt
Hazen Curtis, Jr.	Paul Edward Meuse
William Edward Doten	Catherine Assunta Michelini
Laila May Fowler	Hazel Elaine Quinlan
Mildred Annie Frotton	Alice C. Robinson
Dorothy Hilda Gorey	Dorothy Louise Schrow
Evelyn Catherine Hoyt	Clyde Burditt Stacy
Vivian Nellie May Jackman	Edna Mae Sullivan
Martha Louise Johnson	

General Course

Louise Bancroft	Russell Buchan Richardson
Mary Butters	Ruth Robinson
Rae Leah Esner	Carter Kimball Ruggles
Rodney Gleason	Robert H. Thorburn
Jessie Lucretia Little	Jane Alice Townsend
John Edward McDonald	Milton Bancroft Viall
Thomas Joseph McDonald	

Normal Course

Eva A. Bruse	Dorothea Bernice Goddard	Kathryn E. Tasney
--------------	--------------------------	-------------------

Agricultural Course

Edward Eugene Burditt

PUPILS GRADUATED FROM JUNIOR HIGH SCHOOL
JUNE, 1922

Girls

Adams, Margaret
 Babine, Margaret Emily
 Badger, Helen
 Baker, Florence Emma
 Baker, Lois Eliza
 Batchelder, Evelyn Mildred
 Berry, Elizabeth Cavis
 Bredbury, Helen Alberta
 Bysanski, Bertha
 Campbell, Mildred Louise
 Carter, Evelyn G.
 Clark, Phyllis Roberta
 Cloudman, Hazel Margurite
 Conify, Helen Margaret
 Coles, Bertha I.
 Coles, Ethel
 Crowell, Annie Mary
 Cronin, Dorothy Gertrude
 Curless, Mildred Louise
 Dickinson, Helen J.
 Doucette, Leone Grace
 Doucette, Margaret Sylvia
 Dulong, Frances Louise
 Englund, Alice Elizabeth
 Fitzpatrick, Margaret Mary
 Forbes, Virginia Gould
 Fowler, Frances
 Frotten, Gladys Cecilia
 Fultz, Sarah Eleanor
 Goddard, Doris Gertrude
 Gray, Barbara Catherine
 Ham, Marcia Lavinia

Girls

Harvey, Eleanor
 Kenney, Doris Evelyn
 Knapp, Ruth Margurite
 Lewis, Evelyn Lavinia
 McClintock, Dorothy Winifred
 Mellen, Edith Cummings
 Mercer, Elizabeth Shapleigh
 Merritt, Kathleen Hortense
 Meuse, Marion Catherine
 Minard, Shirley Dean
 Morrison, Hazel Irma
 Mussells, Muriel Elizabeth
 Parsons, Virginia Trull
 Poreh, Frances
 Pratt, Priscilla Alden
 Reed, Helen Christina
 Rogers, Eva Celia
 Rooney, Janet Baker
 Sawyer, Alma Louise
 Sawyer, Lillian
 Scanlon, Marion Gertrude
 Scanlon, Mildred Agnes
 Sheehan, Helen
 Smith, Helen Elizabeth
 Southwick, Esther Marion
 Squires, Katherine Winifred
 Sweetser, Katherine Linwood
 Tebeau, Dorothy May
 Underwood, Jeanette
 Weale, Ella Gardner
 White, Helen May

Boys

Andrews, Kenneth Abbott
 Barnes, Arthur Russell
 Bedley, Edgar Morris
 Beecher, Frank Robert
 Bowman, Gordon Lewis
 Burns, Frederick Thomas
 Cair, Jonathan Douglas
 Carleton, James Henry
 Clements, Paul Edward
 Coles, William

Boys

Elliot, John
 Farpella, James
 Gaw, Ernest Robert
 Gaw, William James
 Goodwin, Alfred Elmer
 Graupner, Frank Charles
 Hickey, John Myles
 Hodson, Albert Cleaves
 Hook, Harlon Judson
 Horton, Wendell Winslow

Boys

Condon, John Richard
 Crocker, Walton Temple
 Cutcliff, Winthrop Lawrence
 Cummings, Richard Francis
 Dane, Sherman
 Doucette, Walter John
 Eames, Fletcher Nichols
 Macdonald, A. Howard
 Mansfield, Ronald Thomas
 Marchetti, Dante
 Meikle, Melvin Russell
 Moyer, Robert Cornelius
 Munn, Charles Richards
 Murphy, William Harold
 Nichols, Raymond Elmer
 Norton, Frank Woodworth
 Oldham, George Frederick
 Partelow, Lawrence Arthur
 Rees, George Garfield
 Reichardt, Warren Carleton

Boys

Howard, John Brooks
 Ingalls, John Edward
 Jarvis, Albert Kingsbury
 Jones, Charles Rice
 Kenney, Harold Richard
 Lyman, Henry Albah
 Lyons, Donald Webster
 Riseman, David Henry
 Stanley, John Wilson
 Stewart, Boyd Hanson
 Surette, John J.
 Symonds, Otis Parker
 Thistle, Hume Wescott
 Van Horne, William Reginald
 Wadsworth, Stephen Franklin
 Watson, John Dixon
 Way, Serviss
 Wichland, Bernard Paul
 Wilson, Paul Edward
 Wyman, Arthur William

TEACHERS IN SERVICE, DEC. 31, 1922, WHERE EDUCATED, YEAR APPOINTED

ALSO ENROLLMENT FOR FOUR MONTHS ENDING DECEMBER 31, 1922

SCHOOL	GRADES OR SUBJECTS	NAME OF TEACHER	WHERE EDUCATED	Year Appointed	Salary	Total Enrollment	Average Membership	Average Attendance	Per cent. of Attendance
High School	Principal	Edw. V. Atwood, S. B., A. M.	Boston Univ., U. S. Tech. School	1921	\$3000	442	438	421	93
	Physics	Helen E. Abbott, A. B.	Mt. Holyoke College	1915	1900				
	Head Eng. Dept.	Elizabeth A. Batchelder	Salem, Simmons, B. U. Bus. Adm.	1916	1700				
	Com. Eng.	Stewart P. Batchelder, B. S.	Mass. Agricultural College	1922	1600				
	Physics, Alg.	Ascha Bean, B. A.	University of Maine	1922	1500				
	Agriculture	Carl Belmore, A. B.	Bates College	1921	1800				
	Phy., Tr., Biol., Health	Alfred Boehm	Trade School, Germany	1920	1900				
	History, Eng.	Alberta F. Drury	Posse Normal and Salem, B. U.	1917	1700				
	Man. Training	E. Frances Greenhalgh	Sec. and Bus. Adm.	1914	1800				
	Bookkeeping	Luke Halpin, A. B.	Willamantic Normal, and Bay Path Institute	1922	1800				
	Sten. and Type.	Helen G. Kershaw, A. B.	Bowdoin College	1919	1800				
	German, Math.	M. Adeline Lahaise	Radcliffe College	1919	1500				
	Drawing	Rita Lahaise	Mass. Normal Art School	1921	1500				
	Sewing	Florence Leighton, A. B.	Elliott School of Manual Training	1922	1700				
	Spanish	Abigail H. Mingo, A. B.	Brown University	1922	1800				
	Sec'y to Supt., Bus. Prac.	Frederick J. Pope, B. S.	Boston University, Chandler Sec.	1918	1800				
	Chem., Math.	Marian T. Pratt, A. B.	Colby College	1922	1800				
	Latin	Mildred B. Sussmann, A. B.	Wellesley College	1919	1700				
	Agriculture	Rudolf Sussman, B. S.	Radcliffe College	1919	1700				
	Coach, Phys. Tr., Civics	Russell P. Taylor, A. B.	Conn. & Mass. Agr. Colleges	1917	2580				
	Type, and Sten. Stand., Guidance	Mat. J. E. Thomason	Bates College	1922	1700				
	Music	Fannie C. Whittlemore	Fitchburg Normal	1922	1500				
		J. Albert Wilson	Hyannis Normal, Harvard, B. U. Harvard	1905 1920	1700 1500				

SCHOOL	GRADES OR SUB- JECTS	TEACHER	WHERE EDUCATED	Year App ointed	Salary	Total Enrollment	Average Membership	Average Attendance	Per cent. of Attendance
Highland and Junior High	Principal	Alice Barrows	Bridgewater Normal School	1880	2100				
	Asst. Prin., M. th.	Emma S. Page	N. H. State Normal	1899	1600	29	28.44	26.80	94.25
	Draw and Eng.	Eleanor F. Emerson	Salem Normal	1915	1500	36	34.55	32.27	93.4
	Manual Training	Lyman E. Fancy	Mass. Nor. Art School, Col. Univ.	1918	1800				
	Hist. and Civics	Lestina M. Goddard	Gorham (Me.) Normal School	1920	1500	28	26.64	24.46	91.06
	English	Alice E. Hood	Concord Training School	1902	1500	27	25.89	24.04	92.73
	Geog. Music	Louise B. Jenkins	Bridgewater, N. E. Conservatory	1920	1500	39	37.59	35.76	94.37
	Arith. Pen'ship	Una M. Kimball	N. H. State Normal	1920	1500	32	31.63	30.	94.84
	Science, Printing	Ida C. Lucas	Harvard, Worcester Normal	1918	1500	36	34.55	31.88	92.2
	Phys. Training ..	Louise Baker	Temple University	1922	1400				
	Eng. Geom.	Anna Reck	Radcliffe College	1921	1500	36	34.98	33.39	95.15
	Dom. Science ..	Priscilla Twombly	Framingham Normal	1922	1200				
	Pen., Bus. Prac.	Ethel S. Williams	Salem Normal	1922	1400	39	38.87	37.67	97.02
	Phys. Training								
	Grade VI	A. Louise Fogg	Colby College	1920	1400	47	45.22	44.09	97.5
	" VI	Caroline C. Grace	No. Adams Normal	1919	1400	46	44.21	40.94	92.62
	" V	Matilda J. Gamble	Chicago University	1920	1400	47	45.25	43.27	95.62
	" V	Rachel Perley	Keene, N. H., Normal	1920	1400	44	41.6	39.19	95.64
Centre	Prin. & Grade III	M. Grace Wakefield	Salem Normal	1890	1500	43	41.73	39.32	94.20
	Opportunity Class	Alda I. Parter	Westfield Nor., Harvard Summer	1914	1500	17	15.33	15.06	95.55
	Grade II	Ethel Hanson	Columbus (Ohio) Normal	1922	1200	46	44.23	42.52	96.14
	" II	Eileen G. Quinlan	Salem Normal	1915	1400	42	41.23	39.29	95.39
	" IV	Vera Buckle, A. B.	Boston University	1915	1400	44	41.38	39.93	96.48
	" IV	Margaret Whittier	Salem Normal	1916	1400	44	43.95	41.98	95.5
Union Street	Prin., Grade I ..	Anna P. Reid	Reading High	1884	1500	42	38.41	31.94	83.15
	" I	Marion H. Morgan	Bridgewater Normal	1904	1400	41	40.02	37.56	93.42
	" I	Paye M. Taylor	Framington Normal	1921	1400	38	35.21	33.	93.7
	" II ..	Ethel J. Bent	Conn. State Normal	1911	1400		44.12	42.17	95.58
						45			

TEACHERS IN SERVICE, DEC. 31, 1922, WHERE EDUCATED, YEAR APPOINTED

ALSO ENROLLMENT FOR FOUR MONTHS ENDING DECEMBER 31, 1922—(CONTINUED)

Lowell Street...	Prin., Grade VI	Nellie B. Beaton.....	Danvers High.....	1920	1400	20	17.73	16.98	95.77
	" V	Nellie B. Beaton.....				11	11.00	10.07	97.34
	" " VI	Annie W. Quillen.....	Salem Normal.....	1916	1400	12	12.00	10.55	94.7
	" " III	Barbara Wmship.....	Wheelock Training... ..	1920	1100	26	23.00	24.05	94.00
	" " I	Winifred Cochrane.....	Plymouth (N. H.) Normal.....	1920	1300	20	20.00	17.07	91.80
Prospect Street..	" " II	Winifred Cochrane.....				24	23.21	21.55	91.36
	Acting Princip'l	Olive S. Perry.....	Wheelock Train., Hyannis Nor'l	1916	1400	10	10.00	9.37	95.39
	Grade V					20	17.99	17.44	96.40
	" IV	Olive S. Perry.....				28	27.04	25.86	73.25
	" VI	Glenna A. Dow.....	Hyannis Normal.....	1920	1300	45	43.25	40.47	93.99
Chestnut Hill....	" " III	Grace Nichols.....		1923	1300	29	18.88	19.57	93.90
	" " II	Grace Nichols.....				10	9.99	21.16	93.05
	" " I	Ruth L. Goodwin.....	Perry Normal School.....	1923	1400	24	22.69	9.50	95.32
	" " I	Ruth L. Goodwin.....				21	26.80	24.06	95.02
	Prim. Grade I	Isabelle P. Kiscock.....	Dean Academy.....	1911	1500	12	10.30	9.03	90.3
	" " II	Isabelle P. Kiscock.....				19	17.2	15.9	92.4
	" " III	Genevieve W. Quinlan.....	Salem Normal.....	1921	1100	13	12.08	11.32	94.34
	" " IV	Genevieve W. Quinlan.....				9	8.25	7.93	96.35
	" " V	Genevieve W. Quinlan.....				9	8.38	8.12	92.81

BUDGET SCHOOL DEPARTMENT, TOWN OF READING, 1923

1923 Estimated Appropriation	GENERAL ACCOUNT:—SALARIES	Expended 1922	Expended 1921	Expended 1920
\$ 99,650.00	1. Salaries—Teachers' and Supt.	\$ 93,433.50	\$ 88,250.82	\$ 70,132.95
6,550.00	2. Janitors'	6,056.50	5,811.88	5,730.51
1,800.00	3. Other Salaries			
	Attendance Officer	210.00	350.00	300.00
	Medical Inspector	400.00	400.00	350.00
	School Nurse	1,500.00	600.00	
\$108,000.00	Total Salaries	\$101,600.00	\$ 95,412.70	\$ 76,513.46
2,500.00	4. Transportation of Pupils	1,827.50	2,255.75	2,334.75
200.00	5. School Tuition			
3,600.00	6. Books	3,380.43	2,574.93	2,578.96
5,000.00	7. Supplies for Pupils	5,100.20	4,174.30	2,734.78
1,000.00	8. Apparatus for Teaching	871.43	835.26	1,363.16
1,000.00	9. General Expense			
	Printing and Advertising	156.50	124.98	201.18
	Office Supplies	301.72	228.30	155.06
	Telephones	443.46	402.68	414.50
	Graduation, Miscellaneous	215.23	147.55	175.99
	Supt.'s Expense	19.25		5.00
	Lectures, Public Meetings	4.00	22.00	3.00
	Insurance		19.72	
		\$ 1,130.16	\$ 945.23	\$ 954.82

BUDGET SCHOOL DEPARTMENT (Continued)

7,000.00	10. Fuel	5,688.23	6,572.17	5,265.54
2,700.00	11. Building Maintenance			
	Gas and Electricity	745.82	758.67	811.03
	Water	434.85	482.05	487.64
	Trucking, etc.	266.54	363.52	425.00
	Janitors' Supplies	1,119.81	1,218.87	1,122.76
	12. Repairs	\$ 2,567.02	\$ 2,823.11	\$ 2,846.43
8,000.00	Buildings	6,279.19	4,106.18	4,658.41
	Furniture	1,284.93	1,520.11	1,027.46
2,000.00	Grounds	370.50	330.95	335.51
	TOTAL FOR MAINTENANCE	\$ 7,934.62	\$ 5,957.24	\$ 6,021.38
\$ 33,000.00	TOTAL EXPENDITURES—General	\$ 28,499.59	\$ 26,137.09	
\$141,000.00	Receipts not from tax levy	\$130,099.59	\$121,549.79	\$100,613.27
23,000.00		16,238.66	12,170.52	
	Due, but not paid	\$109,379.27	1,154.00	
		5,023.36		
\$118,000.00	NET COST		\$108,225.27	

AGRICULTURAL ACCOUNT

4,800.00	1. Teachers', Supt.'s and Janitors' Salaries	\$ 4,362.67	\$ 4,373.24	\$ 4,242.26
	2. Light, Fuel, Repairs	77.73	470.39	204.82
1,000.00	3. Books, Apparatus, Supplies	620.14	469.91	
	4. Paid for Veterans' Books, Supplies	196.13		
<u>\$ 5,800.00</u>		\$ 5,256.67	\$ 5,313.54	\$ 4,507.08
5,000.00	Receipts not from tax levy	3,357.84	3,145.64	
	Due, but not paid	2,707.43	\$ 2,167.90	
			479.40	
	NET COST		\$ 1,688.50	
\$ 800.00				
	INDUSTRIAL TUITION			
	Tuition paid	\$ 388.05	\$ 269.35	\$ 118.00
500.00	Reimbursement from State	134.68	59.00	
199.03				
<u>\$ 300.97</u>				
	NET COST	\$ 253.37	\$ 210.35	

DETAIL OF EXPENDITURES OF SCHOOL DEPARTMENT FOR
YEAR ENDING DECEMBER 31, 1922

Transportation:

Eastern Mass. Street Railway Co.	\$	950.00
G. H. Adams		570.00
J. F. Lovell		120.00
G. F. Wood		187.50
		<hr/>
	\$	1,827.50

Books:

Albrecht Co.	5.00
Allynn & Bacon	58.04
American Book Co.	304.59
American Express Co.	19.84
Edw. E. Babb & Co.	108.04
F. J. Barnard & Co.	168.36
C. C. Birchard & Co.	70.22
Bruce Publishing Co.	52.30
Milton Bradley Co.	5.70
The Century Co.	24.21
Classical Association of U. S.	4.00
Cummings Express Co.	7.30
Oliver Ditson Co.	44.41
Dodd, Mead & Co., Inc.	12.16
E. P. Dutton & Co.	2.88
Ginn & Co.	768.88
Government Printing Office	7.94
Gregg Publishing Co.	54.25
J. L. Hammett Co.	16.00
D. C. Heath & Co.	108.39
Houghton Mifflin Co.	184.76
Iroquois Publishing Co.	2.46
Laidlaw Brothers	59.49
Charles E. Lauriat Co.	55.25
J. B. Lippincott Co.	3.72
Lyons & Carnahan	107.64
The Macmillan Co.	104.44
Mass. Bible Society	20.35
Mass. Society for Mental Hygiene	15.00
Charles E. Merrill Co.	41.08
Old Corner Book Store	61.45
The Palmer Co.	1.41
Peerless Supply Co.	17.58
Popular Mechanics Co.	3.00
Popular Science Monthly	1.80
Public School Publishing Co. ...	6.12
G. P. Putnam's Sons Co.	85.49
Rand McNally Co.	74.81

Regents Publishing Co.	5.48
Ronald Press Co.	1.75
Benj. H. Sanborn & Co.	81.18
School Arts Magazine	3.00
Science Press	1.00
Scott, Foresman Co.	54.66
Charles Scribner's Sons Co.	29.32
Silver Burdett Co.	68.15
Simmons-Peckham Co.	8.53
Standard Book Co.	6.00
The Survey	5.00
Whitcomb & Barrows	31.68
Williams Bookstores Co.	96.77
H. W. Wilson Co.	21.00
John C. Winston Co.	172.40
Wireless Press, Inc.	3.69
World Book Co.	100.31
Women's Educ. & Industrial Union	3.15
	<hr/>
	\$ 3,380.43

Supplies for Pupils:

Adams Co.	1.96
American Book Co.	81.89
American Railway Express Co.	25.03
G. H. Atkinson Co.	510.99
Atlantic Radio Co.	6.20
E. V. Atwood ....	.50
Edw. E. Babb & Co.	389.98
W. Bancroft & Co.	66.01
F. J. Barnard & Co.	12.50
H. M. Barton	18.06
Berry & Withington	12.63
Jos. Breck & Sons	15.00
Milton Bradley Co.	586.13
H. O. Copeland & Co.	4.64
Cummings Express Co.	51.92
J. Cuneo & Co.	18.03
Oliver Ditson Co.	11.00
Estabrook Steel Pen Co.	54.31
Francis Brothers	78.86
Ginn & Co.	246.14
C. Gleason	2.00
Graphic Duplicator Co.	10.78
J. L. Hammett Co.	1,282.35
Harris & Gilpatric	120.25
Hodson Brothers	18.17
Houghton Mifflin Co.	4.11
Howe & French Inc.	158.86

Iroquois Publishing Co.	11.00
Iver Johnson Sporting Goods Co.	2.55
Jordan Marsh Co.	6.90
Kenney Bros. & Wolkins	37.85
Rita Lahaise ....	.30
J. B. Lippincott Co.	5.53
Macey-Morris Co.	106.50
B. L. Makepeace	38.05
H. M. Meserve & Co.	180.00
H. B. McArdle	68.45
National Case & Carton Co.	10.00
Nutrition Clinic (Dr. Emerson)	2.85
The Office Appliance Co.	18.07
Clarence Oxley	3.10
Palmer & Parker	68.69
Parker & Page Co.	93.16
Pierpont & Harris	10.34
Reading Public Market	18.19
W. A. Rich	38.30
Rockport Fish Market	19.10
H. M. Rowe Co.	16.54
Ryan & Buker, Inc.	44.29
Sanford Mills	6.89
H. A. Shepard & Co.	32.25
Scott, Foresman & Co.	6.37
Silver Burdett Co.	48.26
H. E. Slocumb	42.00
F. F. Smith	2.40
A. T. Stearns Lumber Co.	74.67
John Stewart	79.63
O. P. Symonds & Sons	1.50
L. T. Tarpin	2.66
H. Towle	5.00
W. E. & J. F. Twombly	33.94
Ward's Stationers	1.87
John N. Weston	12.10
White Sons & Co.	3.50
A. J. Wilkinson & Co.	17.60
Williams Book Stores	5.63
W. H. Willis	12.45
Winchester Laundries, Inc.	1.47
World Book Co.	101.35
Wright & Ditson	14.60
<hr/>	
	\$ 5,100.20

Apparatus for Teaching:

Peter Becker	10.00
Cambridge Botanical Supply Co.	234.53

Clapp & Leach	15.00
Cummings Express Co.	6.10
E. W. Goodrich	8.60
J. L. Hammett Co.	68.81
Ernest A. Hurd	4.00
Jones McDuffee & Stratton	23.40
L. E. Knott Apparatus Co.	51.97
Reading Radio Shop	10.00
Royal Typewriter Co.	180.00
Ryan & Buker, Inc.	20.25
H. A. Shepard & Co.	13.95
A. T. Thompson & Co.	3.50
John H. Thurston	1.00
Underwood Typewriter Co.	187.50
A. J. Wilkinson & Co.	3.93
Wrought Iron Range Co.	28.89
	<hr/>
	\$ 871.43

General Expense:

(Printing) W. E. & J. F. Twombly	156.50
(Office Supplies, Stationery, etc.)	
E. V. Atwood	10.00
Macey-Morris Co.	147.34
H. M. Meserve & Co.	41.07
J. M. Minihan	1.00
H. B. McArdle	51.50
Office Appliance Co.	2.50
Standard Office Machine Co.	3.06
W. E. & J. F. Twombly	13.73
U. S. Post Office	20.00
Webster Publishing Co.	5.41
Wright & Potter Printing Co.	6.11
(Telephones)	
New England Telephone & Telegraph Co. .	443.46
(Graduation & Miscellaneous)	
Bruce Publishing Co.	12.00
Arthur Condry	20.00
Cummings Express Co.	2.50
Jewell & Andrews	53.75
Journal of Education	3.00
H. B. McArdle	42.75
Modern Hospital Publishing Co.	3.00
National Education Association of U. S. ...	5.00
National School Digest.....	5.00
New England Publishing Co.	6.00
Public School Publishing Co.	4.00
Reading Police Department	2.50

H. A. Shepard & Co.	8.25	
Science Press	5.00	
W. E. & J. F. Twombly	2.75	
Univ. of Chicago, Dept. of Education	10.50	
Mary Yaffee	21.60	
Beckley-Cardy Co.	7.63	
(Supervisors' Expense)		
Mabel Brown	6.75	
Fannie C. Whittemore	12.50	
(Lectures, public meetings, etc.)		
Edgerley & Bessom	4.00	
		\$ 1,130.16
Fuel:		
W. A. Bancroft	19.50	
Livingstone & Doyle	9.00	
P. N. Sweetser	5,655.73	
O. P. Symonds & Sons	4.00	
		\$ 5,688.23
Building Maintenance:		
(Gas, Electricity)		
Malden & Melrose Gas Light Co.	160.02	
Municipal Light Board	585.80	
(Water)		
Town of Reading, Board of Public Works .	434.85	
(Trucking ashes, etc.)		
Town of Reading, Board of Public Works .	167.64	
P. N. Sweetser	27.50	
Zanni & Co.	71.40	
(Janitors' Supplies)		
Andrews Paper Co.	7.50	
G. H. Atkinson Co.	7.83	
Edw. E. Babb & Co.	37.82	
The Barrett Co.	10.50	
Milton Bradley Co.	37.00	
M. F. Charles	2.60	
The Cudahy Packing Co.	22.91	
Cummings Express Co.	61.80	
H. I. Dallmann Co.	323.73	
Francis Brothers	4.72	
N. C. Hayner Co.	133.04	
F. J. Jameson	58.75	
Kenney Bros. & Wolkins	8.50	
Masury-Young Co.	134.40	
Pettingill-Andrews Co.	45.33	
Reading Custom Laundry	5.36	
P. J. Seaman	7.75	

Standard Chemical & Supply Co.	12.20
S. R. Stembridge	33.95
Stone & Forsyth Co.	12.50
O. P. Symonds & Co.	1.50
Textile Soap Co.	29.17
F. Wallace	35.77
A. J. Wilkinson & Co.	33.03
G. H. Worcester & Co.	52.15

 \$ 2,567.02
Repairs:**(Buildings)**

Allen Shade Holder Co.	214.23
W. Bancroft & Co.	40.65
P. P. Burgess	5.00
M. F. Charles	6.55
R. D. Clapp	72.05
Clapp & Leach	159.21
Colonial Sculpture Co.	50.00
Ben W. Craig Scenic Co.	200.00
Cummings Express Co. ....	.75
H. I. Dallmann Co.	17.90
John Farquhar's Sons, Inc.	328.00
T. C. Fife	1,341.80
J. L. Hammett Co.	56.16
Hodson Brothers	961.11
Hodge Boiler Works	8.90
Myrtle Mansfield	12.00
J. M. Maxwell, Jr., & Sons	35.21
Metropolitan Paint Co.	63.75
James A. Murphy	5.00
P. J. Seaman	4.25
Standard Electric Time Co.	32.94
Stewart & Robertson	1,898.17
Town of Reading, Board of Public Works ..	738.78
A. J. Wilkinson & Co.	26.78

(Furniture)

Bangs Furniture Co.	4.50
F. M. Crosby	11.00
Cummings Express Co.	11.90
H. I. Dallman Co.	10.55
J. L. Hammett Co.	44.25
Heywood-Wakefield Co.	515.35
Theodore Kundtz Co.	200.70
B. J. Leathers	4.50
Macey-Morris Co.	337.27
Mass. Tuberculosis League	26.75
J. A. Murphy	8.50

Harold McIntyre	1.50	
Daniel Pratt's Sons	65.00	
Remington Typewriter Co.	6.92	
Royal Typewriter Co.	11.10	
Ryan & Buker, Inc.	18.00	
Wales Adding Machine Co.	7.14	
(Grounds)		
Charles Cullinane	58.00	
Cummings Express Co.	5.50	
Matthew Devaney	161.50	
H. Q. Millett	40.00	
Mrs. Annie McLane	17.50	
Dana F. Perkins	25.00	
P. N. Sweetser	17.50	
Town of Reading, Tree Warden	45.50	
		<hr/>
		\$ 7,934.62
Total Maintenance		<hr/>
		\$ 28,499.59

AGRICULTURAL ACCOUNT

American Railway Express Co.	5.59
W. Bancroft & Co.	32.91
S. P. Batchelder	1.60
J. C. Black	8.00
Jos. Breck & Sons	91.15
Camb. Botanical Supply Co.	6.00
Central Scientific Co.	1.13
C. W. Crafts	13.75
Cummings Express Co.	7.00
Davis & Abbott .....	.80
Doubleday, Page & Co.	6.00
Francis Brothers	57.04
Ginn & Co.	1.08
Isaac Gleason	15.00
Thomas Groom	22.50
R. Harris & Co. ....	.80
Heywood Bros. & Wakefield Co.	198.00
Howe & French, Inc. ....	.92
C. E. Lauriat & Co.	4.30
J. B. Lippincott Co.	77.16
Lyons & Carnahan	10.14
Lovell & Hall	7.26
Jennie Mackie	3.60
The Macmillan Co.	12.90
Malden & Melrose Gas Light Co.	12.73
New England Telephone & Telegraph Co. .	5.00

Market Growers' Journal	1.50		
E. P. Nostrand	7.50		
J. Clarence Oxley	8.32		
Reliable Poultry Journal Pub. Co.	7.15		
Orange Judd Publishing Co.	3.02		
Rural New Yorker	1.00		
H. A. Shepard & Co.	66.20		
F. F. Smith	12.80		
Spaulding-Moss Co.	2.80		
Standard Tester Co.	10.50		
A. T. Thompson & Co.	87.60		
W. E. & J. F. Twombly	60.00		
Geo. F. Ward	6.00		
Webb Publishing Co.	2.67		
J. Wiley & Sons, Inc.	8.20		
Williams Bookstores Co.	3.38		
A. J. Wilkinson Co.	9.00		
		————— \$	894.00

SPECIAL ACCOUNT FOR INDUSTRIAL TUITION

City of Boston	110.46		
City of Somerville	169.19		
Town of Stoneham	41.40		
Town of Wakefield	67.00		
		————— \$	388.05

Twenty-eighth Annual Report

OF THE

Electric Light Commissioners

For the Year Ending December 31

1922

OFFICERS OF THE ELECTRIC LIGHT AND POWER DEPARTMENT

Commissioners

WILLIAM G. LONG, Chairman	Term expires 1923
HEBERT G. EVANS, Secretary	Term expires 1924
HARRY P. BAKER	Term expires 1925

Manager

ARTHUR G. SIAS

Office

MUNICIPAL BUILDING

MANAGER'S REPORT

To the Municipal Light Board, Reading, Mass:

Gentlemen:—I respectfully submit herewith my report of the operation of the Municipal Light Plant for the year ending December 31, 1922.

The Income and Expense Accounts, Profit and Loss Account and Balance Sheet have been changed to conform substantially to the Uniform System of Accounts for Municipal Lighting Plants as prescribed by the State Department of Public Utilities, effective January 1st, 1922. It is practically the same system which has been prescribed for privately owned Plants, with such modifications as were necessary to comply with Municipal Laws. All Municipal Lighting Plants in Massachusetts are now required to keep their books in accordance with the new system.

Electric Operating Revenues

Metered Sales to Private Consumers:

Lighting	\$ 89,931.10	
Power	25,524.46	
Cooking and Heating	8,213.43	
	<hr/>	\$123,668.99

Flat Rate Sales to Private Consumers:

Private Street Lights	158.00
-----------------------------	--------

Municipal Revenues:

Street Lighting, Reading	\$ 15,300.00	
Street Lighting, Lynnfield Center	1,694.94	
Street Lighting, North Reading	3,591.60	
Street Lighting, Wilmington	7,023.52	
Municipal Lighting, Reading	2,116.63	
Municipal Power, Reading	1,753.64	
Power sold to Wakefield	62.11	
Power sold to Lowell Elec. Lt. Corp.	135.71	
	<hr/>	31,678.15

Total Revenue from Sales of Electric Energy	<hr/> \$155,505.14
--	--------------------

Rent from Property Used in Operation:

Rental of Pole Lines	451.50
----------------------------	--------

Total Electric Operating Revenues	<hr/> \$155,956.64
--	--------------------

OPERATING EXPENSES—ELECTRIC

Production

Operation:

Superintendence and Labor	\$ 17,294.36	
Boiler Fuel	34,146.73	
Water for Steam	80.00	
Lubricants	140.95	
Station Supplies and Expenses	1,273.53	
	<hr/>	\$ 52,935.57

Maintenance:

Maintenance of Station Structures	\$ 621.81	
Maintenance of Boiler Plant Equipment ..	1,031.98	
Maintenance of Steam Engines and Turbo Units	243.42	
Maintenance of Elec. Generating Equipment	74.87	
Maintenance of Accessory Elec. Equipment	229.71	
	<hr/>	2,201.79

Total Production Expenses \$ 55,137.36

Transmission, Distribution and Storage

Operation:

Operation of Transmission and Distribu- tion Lines	\$ 3,755.50	
Transmission and Distribution Supplies and Expenses	507.70	
Inspecting and Testing Meters	853.71	
Removing and Resetting Meters	562.92	
Removing and Resetting Transformers	342.64	
	<hr/>	\$ 6,022.47

Maintenance:

Maintenance of Transmission and Distribu- tion Lines	\$ 11,354.90	
Maintenance of Consumers Meters	145.56	
Maintenance of Transformers	504.39	
	<hr/>	12,004.85

Total Transmission, Distribution and Stor-
age Expenses \$ 18,027.32

Utilization

Operation:

Municipal Street Lamps, Labor	\$ 743.24	
Municipal Street Lamps, Supplies and Ex- penses	2,457.87	
	<hr/>	\$ 3,201.11

Maintenance:

Maintenance of Municipal Street Lamps ..	\$	505.74	
Maintenance of Consumers Installations ..		738.87	
			<hr/> 1,244.61

Total Utilization Expenses			\$ 4,445.72
---	--	--	--------------------

Commercial

Commercial Salaries	\$	4,373.00	
Commercial Supplies and Expenses		2,404.48	

Total Commercial Expenses			\$ 6,777.48
--	--	--	--------------------

New Business

New Business Supplies and Expenses	\$	76.17	
Advertising		36.00	
Wiring and Appliances		21.93	

Total New Business Expenses			\$ 134.10
--	--	--	------------------

General and Miscellaneous

Salaries of Municipal Light Board and Manager	\$	3,026.89	
Salaries of General Office Clerks		2,080.00	
General Office Supplies and Expenses		381.26	
Law Expense, General		27.24	
Insurance		2,118.83	
Accidents and Damages		48.65	
Store Expenses		273.24	
Transportation Expenses		4,623.21	
Inventory Adjustments		934.05	
Depreciation		17,959.59	
Miscellaneous General Expenses		105.04	

Total General and Miscellaneous Expenses ..	\$ 31,578.00
--	---------------------

Grand Total Operating Expenses	\$116,099.98
---	---------------------

Income Statement for the Year

Operating Income:

Operating Revenue	\$155,956.64	
Operating Expenses	116,099.98	

Net Operating Revenue		\$ 39,856.66
------------------------------------	--	---------------------

Uncollectible Operating Revenues	\$ 549.93	
---	------------------	--

Taxes Assignable to Electric Operations ...	669.15	1,219.08
--	---------------	-----------------

Net Operating Income		\$ 38,637.58
-----------------------------------	--	---------------------

Non-Operating Income:

Merchandising and Jobbing Revenue	\$ 224.44	
Total Non-Operating Income		224.44

Gross Income		\$ 38,862.02
---------------------------	--	---------------------

Deductions from Gross Income:

Interests on Bonds and Notes	\$ 6,807.64	
Total Deductions from Gross Income		6,807.64

Income Balance Transferred to Profit and Loss		\$ 32,054.38
--	--	---------------------

Profit and Loss Statement

Credit Balance transferred from Income Account		\$ 32,054.38
Debit Balance at beginning of Fiscal Period ...	\$ 3,813.25	
Other Deductions from Surplus (Bonds and Notes Paid)	16,800.00	
Balance carried forward to Balance Sheet	11,441.13	
	<u>\$ 32,054.38</u>	<u>\$ 32,054.38</u>

COMPARATIVE GENERAL BALANCE SHEET**ASSETS****Investments**

Balance at Beginning of year		Balance at Close of Year	Net Change
\$337,142.59	Plant Investment	\$344,670.95	\$ 7,528.36
3,937.10	General Equipment	3,781.50	155.60
<u>\$341,079.69</u>	Total Investments	<u>\$348,452.45</u>	<u>\$ 7,372.76</u>

Current Assets

\$ 3,506.09	Cash	\$ 153.45	\$ 3,352.64
856.90	Special Deposits	872.85	15.95
14,143.51	Accounts Receivable	18,071.12	3,927.61
29,573.18	Material and Supplies	26,403.34	3,169.84
<u>\$ 48,079.68</u>	Total Current Assets	<u>\$ 45,500.76</u>	<u>\$ 2,578.92</u>

Prepaid Accounts

	Prepaid Insurance	\$ 2,697.36	\$ 2,697.36
	Total Prepaid Accounts	<u>\$ 2,697.36</u>	<u>\$ 2,697.36</u>

Unadjusted Debits			
\$ 3,813.25	Profit and Loss Deficit		\$ 3,813.25
<hr/>		<hr/>	
\$ 3,813.25	Total Unadjusted Debits		\$ 3,813.25
<hr/>		<hr/>	
\$392,972.62	Grand Total	\$396,650.57	\$ 3,677.95

COMPARATIVE GENERAL BALANCE SHEET

Liabilities			
Balance at Beginning of year		Balance at Close of Year	Net Change
Appropriations			
\$ 30,678.26	Appropriations for Construction	\$ 30,678.26	
Bonds and Notes Payable			
\$138,500.00	Bonds Payable	\$133,000.00	\$ 5,500.00
18,200.00	Notes Payable	13,900.00	4,300.00
<hr/>		<hr/>	
\$156,700.00	Total Bonds and Notes Payable	\$146,900.00	\$ 9,800.00
Current Liabilities			
\$ 23,876.86	Accounts Payable	\$ 16,097.29	\$ 7,779.57
856.90	Consumers' Deposits	872.05	15.15
<hr/>		<hr/>	
\$ 24,733.76	Total Current Liabilities	\$ 16,969.34	\$ 7,764.42
Accrued Liabilities			
\$ 1,860.60	Interest Accrued	\$ 1,661.84	\$ 198.76
6,800.00	Town Treasurer, Loan		5,800.00
<hr/>		<hr/>	
\$ 8,660.60	Total Accrued Liabilities	\$ 1,661.84	\$ 6,998.76
Appropriated Surplus			
\$172,200.00	Loans Repayment	\$189,000.00	\$ 16,800.00
<hr/>		<hr/>	
\$172,200.00	Total Appropriated Surplus	\$189,000.00	\$ 16,800.00
Profit and Loss			
	Balance	11,441.13	11,441.13
<hr/>		<hr/>	
\$392,972.62	Grand Total	\$396,650.57	\$ 3,677.95

PLANT INVESTMENT ACCOUNTS—ELECTRIC

	Balance at Beginning of year	Additions during year	Depreciation, other credits during year	Balance at close of year
Plant Investment				
Land	\$ 2,575.80			\$ 2,575.80
Structures	20,658.81			20,658.81
Boiler Plant Equipment	45,391.13	\$ 440.17	\$ 3,864.57	41,966.73
Prime Movers and Aux- iliaries	20,856.00		625.68	20,230.32
Turbo Generator Units	33,686.00	4.35	2,142.69	31,547.66
Electric Plant, Steam	21,231.91	821.07	636.96	21,416.02
Poles, Fixtures and Over- head Conductors	123,206.54	17,729.22	7,598.22	133,337.54
Consumers' Meters	25,268.82	3,247.52	1,010.74	27,505.60
Consumers' Meter Instal- lation	3,458.50	390.50	103.76	3,745.24
Line Transformers	24,635.29	2,142.37	1,108.58	25,669.08
Transformer Installation	3,402.50	92.50	102.08	3,392.92
Street Lighting Equipment	12,771.29	620.25	766.31	12,625.23
Total Plant Investment	\$337,142.59	\$ 25,487.95	\$ 17,959.59	\$344,670.95
General Equipment				
Office Equipment	\$ 1,564.60	\$ 416.90		\$ 1,981.50
Transportation Equipment	2,372.50		\$ 572.50	1,800.00
Total General Equipment	\$ 3,937.10	\$ 416.90	\$ 572.50	\$ 3,781.50
Total Cost of All Prop- erty	\$341,079.69	\$ 25,904.85	\$ 18,532.09	\$348,452.45

TOTAL COST OF PLANT

Cost of Land	\$ 2,575.80	
Cost of Structures	27,288.46	
		\$ 29,864.26
Generating Plant, Steam:		
Cost of Boiler Plant Equipment	63,591.90	
Cost of Prime Movers and Auxiliaries	29,013.38	
Cost of Turbo-Generator Units	46,870.83	
Cost of Electric Plant, Steam	30,373.93	
		169,850.04
Transmission, Distribution and Storage:		
Cost of Poles, Fixtures and Overhead Con- ductors	176,226.08	
Cost of Consumers Meters	37,654.04	

Cost of Consumers Meter Installation	4,841.06	
Cost of Line Transformers	35,335.76	
Cost of Transformer Installation	4,459.40	
	<hr/>	258,516.34
Utilization Equipment:		
Cost of Street Lighting Equipment	19,622.12	19,622.12
	<hr/>	<hr/>
Total Cost of Electric Plant as shown by the books		\$477,852.76

CASH BALANCE AT CLOSE OF YEAR

Construction Fund	\$ 153.45
	<hr/>

Depreciation Fund Account**DEBITS**

Balance at Beginning of Year	
Amount transferred from Income	\$ 17,959.59
	<hr/>
Total	\$ 17,959.59

CREDITS

Amount expended for Construction Purposes ...	\$ 17,959.59
Balance at close of year	
	<hr/>

Material and Supplies

Coal	\$ 7,475.23
Oil	74.51
Electrical Appliances	5,570.32
Miscellaneous Materials and Supplies	13,283.28
	<hr/>
Total	\$ 26,403.34

Construction Fund**DEBIT**

Balance at beginning of year	
Transferred from Depreciation Fund	\$ 17,959.59
Transferred from Operation Fund	681.81
Appropriation	7,000.00
	<hr/>
Total Debits	\$ 25,641.40

CREDIT

Amount Expended for Additions and Extensions	\$ 25,487.95	
Balance at end of year	153.45	\$ 25,641.40
	<hr/>	<hr/>

Operation Fund

DEBIT

Balance at beginning of year	\$ 3,506.09	
Received from sale of Electricity	135,970.68	
Received from Appropriation for Street Lights .	15,300.00	
Received from miscellaneous items	17,955.75	
	<hr/>	
Total Debits		\$172,732.52

CREDIT

Expenditures for operating accounts	\$130,483.48	
Bonds Paid	12,500.00	
Notes Paid	4,300.00	
Interest Paid	6,807.64	
Amount transferred to Depreciation Fund	17,959.59	
Amount used for Construction	528.36	
Balance transferred to Construction Fund	153.45	\$172,732.52
	<hr/>	<hr/>

Our business for 1922 shows that we have made a substantial gain over 1921.

The increase in kilowatt hours generated was 14.3% and the increase in kilowatt hours sold was 18.8%.

The amount of fuel used per kilowatt hour generated was 3.8% less than in 1921.

Income from lighting sales increased 10.4%, from power sales 16.4%, and from heating and cooking sales 24.1%. The total income from sales of electricity increased 14.4% over 1921.

The operating expenses, which under the new system of accounts include the depreciation, show an increase of 5%. The amount of Bonds and Notes outstanding has been reduced \$9,800.00 and the special loan from the Town Treasurer of \$6,800.00 has been paid.

The accounts payable have been reduced \$7,779.57 and the balance of accounts receivable December 31st is \$3,927.61 more than last year.

The Profit and Loss account, which last year showed a deficit of \$3,813.25 now shows a surplus of \$11,441.13.

The cost of manufacturing per kilowatt hour generated was 2.11 cents as compared with 2.4 cents in 1921, and is the lowest cost since 1916.

The average cost per kilowatt hour as defined by statute was 8.4 cents as compared with 9.7 cents in 1921, a decrease of 13.4%.

The kilowatt hours sent out on Reading Street Light circuits was 183,250 which multiplied by the average cost gives \$15,393.00. The appropriation was \$15,300.00.

The Center Street Light Circuit has been operated 3918 hours, and the following lamps were connected December 31, 1922: 54-60 candle

power, 6-100 candle power, 31-250 candle power and 25-600 candle power. The lamps on this circuit are burned all night and every night. The remaining three circuits have been operated 3355 hours and had the following lamps connected December 31, 1922: 425-60 candle power, 10-100 candle power and 28-250 candle power. The lamps on these circuits are burned all night but not on moonlight nights.

The Lynnfield Center and North Reading Street Light Circuits have been operated 1676 hours during the year. There are 395 public and 9 private lamps installed in these Towns, which burn on a midnight moonlight schedule. The Wilmington Street Light Circuit has been operated 2038 hours, and has 486 public and 5 private lights burning until 1 o'clock A. M. on a moonlight schedule. They are also burned mornings from 5 o'clock until daylight between October 15 and March 15.

The number of each size of street lamps renewed during the year was 1117-40 candle power, 757-60 candle power, 10-100 candle power, 136-250 candle power, and 25-600 candle power.

We have installed during the year new street lights as follows: Reading 3, Lynnfield 9, North Reading 9, Wilmington 28, which includes 7 private lights.

The total increase in the number of customers connected on December 31, was 295, divided by towns as follows: Reading 126, Lynnfield Center 26, North Reading 44, and Wilmington 99.

The three phase distribution lines have been extended to North Reading and Wilmington during the year.

The damage to the distribution lines caused by the sleet storm in 1921 has been repaired with the exception of a few comparatively short lines on side streets, which we plan to take care of the coming year.

One boiler at the plant which was installed in 1907 cannot be used with the present steam pressure and I recommend that it be sold.

The roof of the Power Station is in need of repairs, the estimated cost of which is \$600.00. Repairs to the trestle have been ordered by the Railroad Company and these are estimated at \$300.00.

A new boiler feed pump has been purchased for the plant and the generating equipment is in good condition.

The greatest demand on the Plant during the year was 830 kilowatts. The normal capacity of the Plant is 1300 kilowatts, with a maximum capacity of 1500 kilowatts during the peak load.

With the exception of the renewal of one boiler, the present equipment should be sufficient for our requirements for three to five years.

The service pipe for the water supply at the Plant which I understand was put in in 1894 is in very poor condition and is too small for present requirements.

I recommend that a new 6 inch pipe be laid from the Town water main on Ash Street to the Plant and a hydrant be installed for fire purposes. The estimated cost is \$500.00.

LAMP AND APPLIANCE DEPARTMENT

Our records show sales of the following appliances during the year: 3 Christmas Tree Lighting Sets, 3 Curling Irons, 11 Electric Water Pumps, 10 Fans, 55 Flat Irons, 2 Heating Pads, 1 Hot Plate, 39 Motors, 1 Percolator, 17 Radiators, 3 Ranges, 1 Sewing Machine, 2 Sewing Machine Motors, 3 Soldering Irons, 6 Toasters, 26 Vacuum Cleaners, 3 Washing Machines, 3 Water Heaters, 1 Vibrator, 3 Grill Stoves or Table Stoves, 1 Chafing Dish, 1 Electric Sign, 1 Hair Dryer.

NEW BUSINESS

I am convinced that there is much additional business which can be obtained from the sale of current for cooking and water heating and I feel that special effort should be made to install, at least, 50 electric ranges on our lines the coming year. I feel confident that we can look for a substantial increase in the sale of current in 1923.

The operations of the Plant for the past year indicates that a substantial reduction can be made in Lighting rates.

I recommend that a reduction of 2 cents per kilowatt hour in the maximum lighting rates be put into effect March 1, 1923. This will make the net lighting rate in Reading 9.9 cents and in the outside towns 11.7 cents.

My estimate for 1923, as required by law, is herewith submitted, and is followed by data from the records at the office, and a list of bills remaining unpaid December 31, 1922.

ESTIMATE FOR 1923

Expenses

For operation, maintenance and repairs	\$114,600.30	
For interest on bonds and notes	6,588.75	
For depreciation (4% on \$475,276.96)	19,011.08	
For bond payments	13,000.00	
For note payments.	2,800.00	
Taxes	700.00	
Uncollectible Operating Revenues	300.00	
		<hr/>
Total Expenses		\$157,000.13

Income

From sales to private consumers	\$139,830.13
From sundry items	450.00
From tax levy (at average cost per K. W. H. as defined by Statute)	

For street Lights	\$ 14,800.00	
For Municipal Bldgs.	1,920.00	
		<hr/>
Total to be appropriated		16,720.00
		<hr/>
		\$157,000.13

Respectfully submitted,

ARTHUR G. SIAS, Manager,

WILLIAM G. LONG,

HERBERT G. EVANS,

HARRY P. BAKER,

Municipal Light Board.

DATA FROM RECORDS OF PLANT

Kilowatt hours manufactured	2,609,076
Kilowatt hours for Reading Street Lights	183,250
Kilowatt hours sold	1,583,716
Kilowatt hours used at station and office	276,477
Kilowatt hours unaccounted for	565,633
Coal used, net tons	3,791.5
Average cost of coal per net ton	\$9.00
Poles added	265
Feet of wire added	253,770
Motors connected	21
New services installed	294
Street lamps installed	49

Connected Load December 31, 1922

Number of customers	3,234
Horse power in motors	1,197.5
Number of public street lights	1,463
Number of private street lights	18

Reading

Number of customers December 31, 1922	2,026
Number of 40 candle power public street lights	3
Number of 60 candle power public street lights	479
Number of 100 candle power public street lights	16
Number of 250 candle power public street lights	59
Number of 600 candle power public street lights	25
Number of 60 candle power private street lights	3
Number of 100 candle power private street lights	1
Horse power in motors	922.5
Earnings for year	\$106,425.37

Lynnfield Center Extension

Number of customers December 31, 1922	221
Number of 40 candle power public street lights	125
Number of 40 candle power private street lights	6

Horse power in motors	37.5
Earnings for year	\$7,889.06

North Reading Extension

Number of customers December 31, 1922	304
Number of 40 candle power public street lights	270
Number of 40 candle power private street lights	3
Horse power in motors	154
Earnings for year	\$15,465.74

Wilmington Extension

Number of customers December 31, 1922	683
Number of 40 candle power public street lights	486
Number of 40 candle power private street lights	5
Horse power in motors	83.5
Earnings for year	\$25,724.97

COST OF DISTRIBUTION SYSTEM IN OUTSIDE TOWNS

Lynnfield

Total investment to Dec. 31, 1922:

Poles, Fixtures and Overhead Conductors ..	\$ 16,148.22
Consumers Meters	2,439.94
Line Transformers	2,034.52
Street Lighting Equipment	1,234.88
	<hr/>
	\$ 21,857.56

North Reading

Total investment to Dec. 31, 1922:

Poles, Fixtures and Overhead Conductors ..	\$ 34,694.49
Consumers Meters	3,206.02
Line Transformers	4,128.00
Street Lighting Equipment	2,124.86
	<hr/>
	\$ 44,153.37

Wilmington

Total investment to Dec. 31, 1922:

Poles, Fixtures and Overhead Conductors ..	\$ 60,467.64
Consumers Meters	5,008.93
Line Transformers	4,810.82
Street Lighting Equipment	3,290.52
	<hr/>
	\$ 73,577.91

Total Investment—Outside Towns \$139,588.84

Total Income—Outside Towns 1922 49,079.77

Earnings from Light and Power—5 Years

	1918	1919	1920	1921	1922
Light	\$71,283.85	\$ 86,221.78	\$ 92,850.17	\$107,342.66	\$119,815.79
Power	17,812.24	29,072.32	33,301.94	28,544.03	35,689.35
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	\$89,096.09	\$115,294.10	\$126,152.11	\$135,886.69	\$155,505.14

Note—The above table includes the income from the appropriation for street lights and Municipal Buildings.

TABLE A

Year	Income from Sale of Electricity	Income from Other Sources	Appropriations for Maintenance from Tax Levy	Appropriations for Construction from Tax Levy	Manufacturing Expense	Distribution and Utilization Expense	Miscellaneous Expense	Interest	Depreciation	Bond and Note Payment	Total Cost of Plant December 31
1910	\$25,668.87	\$604.88	\$10,000.00	\$270.00	\$13,228.57	\$3,271.76	\$4,429.32	\$2,535.75	\$3,556.00	\$4,000.00	\$135,992.62
1911	31,317.40	410.77	5,800.00	1,000.00	13,066.25	6,353.77	5,753.84	2,767.00	4,079.78	4,500.00	144,714.06
1912	37,171.93	599.07	5,000.00	5,500.00	17,546.87	5,605.41	5,605.18	3,018.21	4,143.80	7,200.00	173,091.96
1913	44,664.70	671.87	6,000.00	5,076.19	20,054.99	10,705.42	10,214.88	3,515.40	4,788.80	6,800.00	202,518.81
1914	49,799.75	791.14	4,500.00	4,132.07	19,014.03	7,784.82	8,697.05	4,453.33	6,051.08	9,000.00	233,509.58
1915	51,603.32	640.25	10,500.00	none	18,292.78	10,329.83	7,730.32	4,640.42	6,972.28	9,500.00	254,349.09
1916	61,900.01	911.69	5,000.00	none	22,261.19	13,986.22	8,316.39	4,704.99	7,597.47	10,800.00	269,898.27
1917	67,593.64	2,422.92	8,750.00	none	30,460.16	14,557.81	11,577.08	5,070.43	8,096.95	11,300.00	285,428.29
1918	78,096.09	1,537.86	11,000.00	none	41,006.13	13,572.51	11,311.54	6,882.24	8,529.85	14,800.00	348,871.08
1919	100,844.10	1,100.11	14,450.00	none	45,006.98	13,864.14	13,874.46	7,416.21	10,419.76	14,800.00	389,564.73
1920	126,152.11	1,094.66	11,000.00	none	56,187.74	17,085.95	17,142.48	7,850.70	15,507.13	18,300.00	421,048.20
1921	135,886.69	219.20	17,500.00	none	52,738.98	24,453.15	16,594.65	7,423.10	16,767.55	19,300.00	449,540.12
1922	155,505.14	451.50	15,300.00	none	55,137.36	22,473.04	38,489.58	6,807.64	17,959.59	16,800.00	477,552.76

TABLE B

Year	K. W. H. Generated	K. W. H. Sold	K. W. H. Delivered to Reading St. Lights	K. W. H. Used at Station Stock Room and Appliance Room	K. W. H. Unaccounted For	Net Tons of Coal Used	Average Cost of Coal Per Ton	Number of Customers	Number of Street Lights	Horse Power in Motors
1910	698,597	300,861	227,100	16,269	154,367	1,748.3	3,461	738	269	116 1-2
1911	771,011	367,317	244,055	15,403	144,236	1,807.6	3,341	888	382	215
1912	919,282	481,801	242,033	13,307	182,141	2,247.8	3,741	1,078	698	242 1-4
1913	1,045,592	599,893	255,744	15,233	174,672	2,680	3,941	1,263	903	272
1914	986,476	578,709	187,590	15,283	204,894	2,496.4	3,666	1,390	993	313 7-10
1915	980,688	548,607	156,505	10,403	265,173	2,298.2	3,578	1,599	1,181	381
1916	1,231,677	751,735	170,810	13,916	295,216	2,741.7	3,934	1,805	1,225	441
1917	1,291,216	812,507	168,535	12,464	297,710	3,086.7	6,348	1,964	1,295	492
1918	1,318,546	976,121	125,820	10,573	206,032	3,348.8	7,875	2,083	1,303	672
1919	2,056,834	1,358,028	172,948	189,067	336,731	3,640	7,517	2,333	1,339	886
1920	2,297,237	1,444,960	175,704	257,999	418,574	3,615	10,352	2,617	1,363	812.5
1921	2,193,092	1,471,698	178,892	146,206	396,296	3,398.4	10,171	2,939	1,473	1120.5
1922	2,609,076	1,583,716	183,250	276,477	565,633	3,791.5	9,00	3,234	1,481	1197.5

TABLE C

Manufacturing Costs Per K. W. H. Based On Total K. W. H. Delivered
at Switchboard

Year	Fuel	Labor	Repairs and Other Station Expenses	Total Costs
1910	.0086	.0075	.0026	.0187
1911	.0078	.0069	.0021	.0168
1912	.0091	.0071	.0027	.0189
1913	.0101	.0070	.0020	.0191
1914	.0092	.0082	.0017	.0191
1915	.0085	.0087	.0013	.0185
1916	.0087	.0071	.0022	.0180
1917	.0144	.0075	.0015	.0234
1918	.0200	.0085	.0025	.0310
1919	.0133	.0066	.0019	.0218
1920	.0162	.0071	.0009	.0242
1921	.0153	.0077	.0009	.0240
1922	.0131	.0066	.0014	.0211

TABLE D

Average Cost Per K. W. H. As Defined By Chapter 164, General Laws

	1912	1913	1914	1915	1916	1917	1918	1919	1920
Operating Costs:	.0397	.0483	.0362	.0586	.0467	.0577	.0538	.0509	.0558
Fixed Costs:	.0198	.0176	.0254	.0299	.0261	.0249	.0274	.0213	.0259
Total Costs:	.0595	.0659	.0616	.0885	.0728	.0826	.0812	.0722	.0817
	1921	1922							
Operating Costs:	.0640	.0561							
Fixed Costs:	.0330	.0278							
Total Costs:	.0970	.0839							

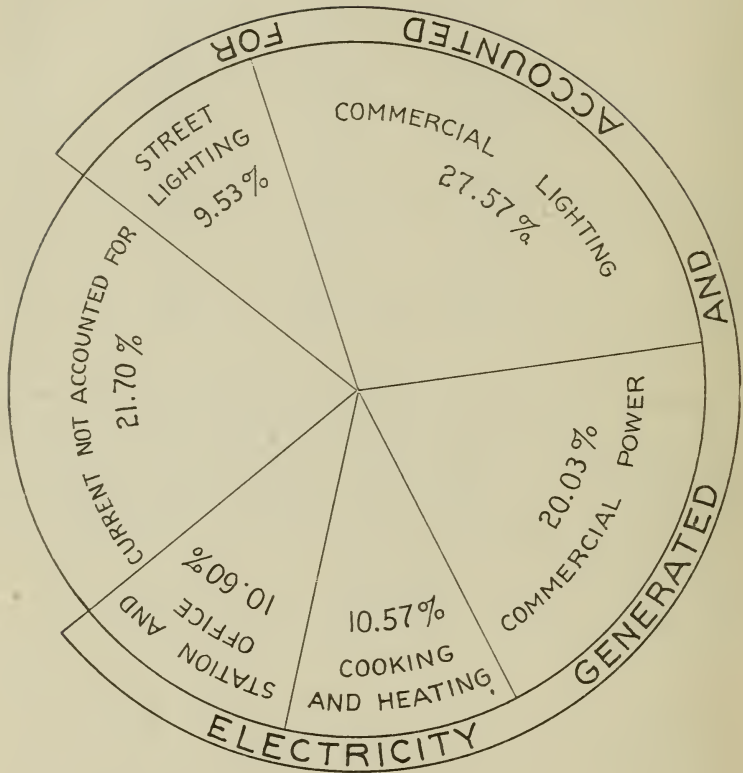


Figure 1 shows graphically in percentage of K. W. H.'s generated, the number sold, used and unaccounted for

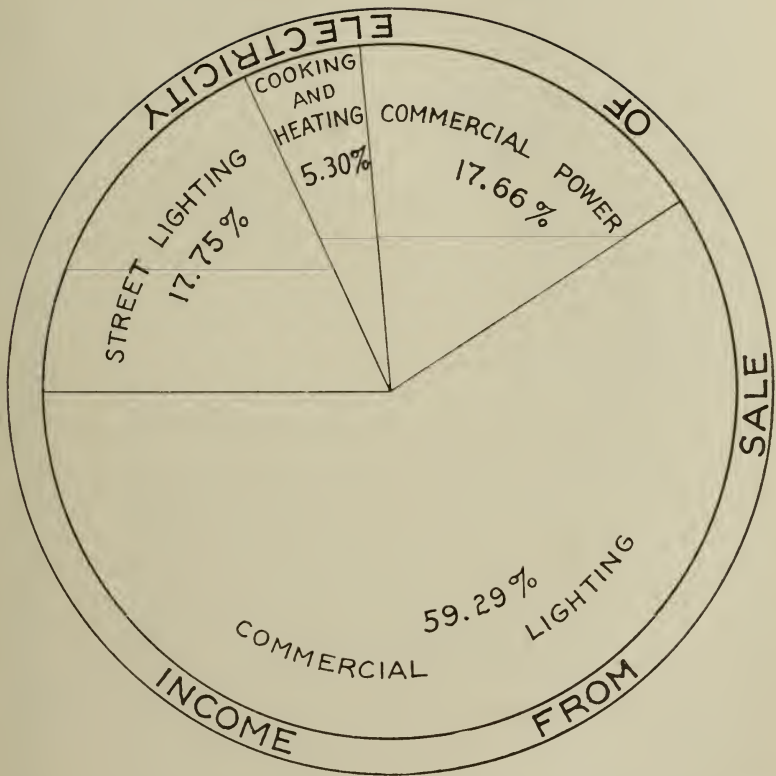


Figure 2 shows graphically in percentage of income received from the different classes of service

LIST OF UNPAID BILLS

Andren, Karl Co.	\$ 215.00
Asheroft Mfg. Co., The	7.34
Baneroft & Co., Wendell	5.60
Bird Hill Garage	1.30
Blake Electric Mfg. Co.	45.00
Boston Index Card Co. ....	.90
Boston & Maine R. R.	476.85
Bistol Co., The	3.35
Browne Brothers	560.00
Buckminster, Geo. H. Company	1,780.00
Castner, Curran & Bullitt Inc.	5,723.63
Castner, Curran & Bullitt Inc.	943.78
Central Garage	38.00
Clapp & Leach	4.12
Columbia Lamp Division	507.47
Cummings Express Co.	14.20
Dallman, H. I. Company	16.00
Davis, Louis	10.00
Eastern Mass. St. Ry. Co.	81.20
Eureka Vacuum Cleaner Co.	663.75
Farley & McNeil	20.47
Foster-McDonald Co.	28.86
Garlock Packing Co.	4.84
General Electric Co.	285.43
Ham Electric Co., E. W.	360.09
Hardy & Co., F. S.	186.65
Hardy & Co., F. S.	508.91
Heath, Carroll R.	30.00
Hobbs & Warren	14.38
Hodge Boiler Works, The	2.75
Hoover Suction Sweeper Co., The	8.60
Lynnfield, Town of	427.50
Lewis Electric Supply Co.	26.10
Mathias-Hart Co.	16.68
Maxwell, J. M. & Son	5.26
National Carbon Co.	15.80
New England Products Co.	37.38
North Reading, Town of	154.50
Perkins-Carpenter Electric Supply Co.	598.64
Pettingell-Andrews Co.	88.86
Reading Garage Inc.	28.00
Reading Motor Co.	32.92
Reading Tire Shop	1.25
Refactum Incandescent Lamp Co.	33.00
Robbins-Phalon Co.	675.59
Roberts, Arthur E.	80.41

Standard Chemical & Supply Co.	17.82
Standard Oil Co. of N. Y.	157.45
Standard Oil Co. of N. Y.	65.74
Stembridge, S. R.	15.59
Sweetser, Percy N.	162.65
Temple, J. S. Co.	20.00
Triangle Sales & Service Co.	29.90
Twombly, W. E. & J. F.	55.33
Wahn, George H. Co.	3.17
Waldo Brothers & Bond Co.	17.10
Wales Adding Machine Co.	13.25
Waterproof Paint & Varnish Co.	62.50
Western Electric Co.	126.24
Westinghouse Electric & Mfg. Co.	91.44
Wetmore-Savage Co.	413.45
Woburn Iron Foundry Inc.	30.00
Woburn Machine Co.	34.70
<hr/>	
	\$16,097.29

REPORT OF AUDITOR FOR YEAR 1922

February 16, 1923.

To the Municipal Light Board,
Reading, Massachusetts.
Gentlemen:

As requested, I have made an examination of the books of account and records of the MUNICIPAL LIGHT DEPARTMENT of the Town of Reading and submit herewith:

SCHEDULE A—Balance Sheet December 31, 1922.

SCHEDULE B—Condensed statement of Operations 12 months ended December 31, 1922.

SCHEDULE C—Profit & Loss Account covering 12 months ended December 31, 1922.

SCHEDULE D—Detail of Operating Income for the year 1922.

SCHEDULE E—Detail of Operating Expenses for the year 1922.

SCHEDULE F—List of Bonds and Notes—Original issue and amounts outstanding December 31, 1922.
and the following comments:

Cash In Banks

This was checked with the Town Accountant's records and a difference of \$4.00 was found as at December 31, 1922; this difference was rectified in January 1923.

Cash In Office

For the purpose of making change to customers and paying petty freight and express bills, there is loaned to the Light Department by the Town Treasurer each January 1st \$150.00—\$80.00 being used in various parts of the office for making change, and \$70.00 used for payment of petty bills. On December 31st this money is returned to the Treasurer. All money in the office was verified by actual count on December 30, 1922 and was found to be \$14.53 over. This difference accumulated as follows: Nov. 17, 1922 over \$5.87, Dec. 26 over \$3.55, Dec. 30, 1922 over \$5.11, and could be accounted for by the loss of stubs from bills paid by customers. The writer suggests that these amounts be kept in the various cash drawers in separate envelopes for future disposition.

Special Deposits

This account consists of Consumers' Deposit Fund and was verified with bank pass book and found to be correct.

Accounts Receivable

The customers' accounts were very carefully checked and the correct balance set up on January 1, 1923. There are some old accounts that should receive immediate attention, and a detailed list of all open accounts was left at the Light office. Bad Debts were charged off on December 31, 1922 amounting to \$549.93.

Material & Supplies

The various book accounts were adjusted to conform with physical inventories taken by the employees of the Light Department.

Prepaid Insurance

This represents the unexpired portion of insurance premiums in force as at December 31, 1922.

Bonds

Additional bonds were issued under date of December 15, 1922 amounting to \$7,000.00 for the purpose of additions to property. There was \$12,500.00 bonds retired in 1922 making a net decrease of \$5,500.00.

Notes

No notes were issued in 1922 and \$4,300.00 were retired in same period.

Accounts Payable

A detailed list was made and the total set upon the books. In the past bills were not recorded until paid; therefore, no Accounts Payable balance was shown from month to month. At the end of each year a summary of unpaid bills was made and spread upon the books as at December 31st. A new voucher record system was installed on January 1, 1923, in which all evidence of debt will be recorded as soon as approved. This will show on monthly statement the exact amount of bills unpaid and reflect more correctly each month's operation.

Consumers' Deposits

This account should represent all money received from consumers to insure payment of debt to the Light Department, and should be deposited in separate bank account, interest accumulations to be added to the fund and interest payments due the consumer should be made from the same account. The law requires a payment of 4% per annum on all funds so received and retained for a period of more than six months. A very careful record of this account should be kept and a card form is submitted and suggested it be put in immediate operation. This account was examined and a difference of eighty cents was found; adjustment was made January 1st, 1923.

Accrued Interest On Bonds & Notes

This represents accrued interest on outstanding bonds and notes as at December 31, 1922, but not due.

General

Owing to the fact that the Department of Public Utilities have ordered a Uniform System of Accounts for all Public Utilities, a great many changes were made on the books and records during the year 1922. New forms were installed during the year and others will be set up so as to completely conform with requirements of the Public Utilities Commission.

A complete "work order" system, perhaps not advisable at present, should be given serious consideration, as it has proved successful, a saving of time, and beneficial in furnishing immediate knowledge of all operations.

A change in office employees was made late in the year, and this occasioned an extra amount of study and overtime work in order to prepare books and accounts for the year's record. I extend to Mr. Sargent, the new accountant, my full appreciation of his courtesy and assistance, and congratulate the Board in being able to secure a party so able and interested in the work at hand.

The enclosed reports, I believe to accurately represent the condition of the Light Department of the Town of Reading, with exceptions as herein noted.

Respectfully submitted,

CHAS. E. STANWOOD,

Public Accountant.

SCHEDULE A

TOWN OF READING—MUNICIPAL LIGHT DEPARTMENT BALANCE SHEET, DECEMBER 31, 1922

Assets

INVESTMENTS:

PLANT INVESTMENT

111—Land \$ 2,575.80
113—Structures 20,658.81

Generating Plant-Stream:

114—Boiler Plant Equipment . 41,966.73
115—Prime Movers and Auxil-

iaries

116—Turbo-Generator Units ... 20,230.32

117—Electric Plant-Steam 31,547.66

Transmission, Distribution &

Storage:

125—Poles, Fixtures & Overhead
Conductors 133,337.54

128—Consumers' Meters 27,505.60

129—Consumers' Meter Installa-

tion 3,745.24

130—Line Transformers 25,669.08

131—Transformer Installation . 3,392.92

Utilization Equipment:

132—Street Lighting Equipment 12,625.23

Total Plant Investment \$344,670.95

Liabilities

301—Appropriations for Construc-
tion \$ 30,678.26

302—Bonds \$133,000.00

303—Notes Payable 13,900.00

Total Bonds and Notes 146,900.00

CURRENT LIABILITIES

308—Accounts Payable 16,097.29

309—Consumers' Deposits 872.05

Total Current Liabilities 16,969.34

ACCRUED LIABILITIES

314—Interest on Bonds & Notes ... 1,661.84

Total Accrued Liabilities ... 1,661.84

APPROPRIATED SURPLUS

322—Loans Repayment 189,000.00

Total Appropriated Surplus .. 189,000.00

Total Liabilities

PROFIT & LOSS:

400—Profit and Loss, Balance 11,441.13

SCHEDULE A (Continued)

General Equipment:
 150—Office Equipment \$1,981.50
 153—Transportation Equip-
 ment 1,800.00

3,781.50

\$348,452.45

Total Investments

CURRENT ASSETS:

204—Construction Fund 153.45
 205—Consumers' Deposit Fund 872.85

207-1—Accounts Receivable—
 Light & Power ... \$12,613.78
 207-2—Accounts Receivable—
 Miscellaneous 5,457.34

18,071.12

209—Material & Supplies:

209-1—Material & Sup-
 plies, General 9,929.34
 209-2—Station Tools
 and Appliances ... 467.95
 209-3—Distrib't'n Tools
 & Appliances 1,411.69
 209-4—Printing & Of-
 fee Supplies 433.77
 209-6—Coal Supply-
 Electric 7,475.23
 209-9—Station Sup-
 plies 936.08

209-10—Lamps & Appliances	5,570.32	
209-11 — Transportation Supplies	178.96	26,403.34
Total Current Assets		45,500.76
PREPAID ACCOUNTS:		
213—Insurance, General		2,697.36
Total Prepaid Accounts		2,697.36
Total Assets		\$396,650.57
	Total Liabilities & Profit & Loss Balance	\$396,650.57

SCHEDULE B
TOWN OF READING—MUNICIPAL LIGHT DEPARTMENT
CONDENSED STATEMENT OF OPERATIONS—12 MONTHS ENDED
DECEMBER 31, 1922

REVENUE FROM SALE OF ELECTRIC ENERGY:

501-1—Comm. Incand. Lighting Meter	\$ 90,089.10	
501-2—Power for Motors	25,524.46	
501-3—Heating & Cooking	8,213.43	
504—Power for Other Electric Companies	197.82	
505-1—Public Incand. Lighting	27,610.06	
505-2—Municipal Lighting	2,116.63	
505-3—Municipal Power	1,753.64	
		<hr/>
Total Revenue from Sale of Electric Energy		\$155,505.14

REVENUE FROM MISC. ELECTRIC OPERATIONS:

508—Rental of Pole Lines	451.50	
		<hr/>
Total Revenue from Misc. Elec. Operations		451.50
		<hr/>
500—Total Electric Operating Revenues		155,956.64

ELECTRIC OPERATING EXPENSES:

Production	\$ 55,137.36	
Transmission and Distribution	18,027.32	
Utilization	4,445.72	
Commercial	6,777.48	
New Business	134.10	
General and Miscellaneous	31,578.00	
		<hr/>
600—Total Electric Operating Expenses		116,099.98

Net Operating Revenue	39,856.66
------------------------------------	------------------

Ratio Operating Exp. to Operating Revenue	74.44%
--	---------------

550—Uncollectible Operating Revenue	549.93
551—Taxes Assignable to Electric Operations	669.15

Net Operating Income	38,637.58
-----------------------------------	------------------

NON-OPERATING INCOME:

560—Merchandise and Jobbing Revenue ...	224.44
---	--------

Gross Income	38,862.02
---------------------------	------------------

DEDUCTIONS FROM GROSS INCOME:

576—Interest on Bonds and Notes Payable	6,807.64
NET INCOME	\$ 32,054.38

SCHEDULE C

TOWN OF READING—MUNICIPAL LIGHT DEPARTMENT

Profit & Loss Account—Twelve Months Ended December 31, 1922

401—Balance January 1, 1922	\$ 3,813.25
Credits:	
Net Income	32,054.38
Total Credits	\$ 28,241.13
Debits:	
Bonds Paid	12,500.00
Notes Paid	4,300.00
Total Debits	16,800.00
400—Balance December 31, 1922	\$ 11,441.13

SCHEDULE D

TOWN OF READING—MUNICIPAL LIGHT DEPARTMENT

Detail of Operating Income—Year 1922

Commercial Incand. Lighting Meter:

Reading	\$ 60,640.49	
Lynnfield Centre	5,356.26	
North Reading	7,750.63	
Wilmington	16,341.72	
		\$ 90,089.10

Power for Motors:

Reading	20,843.95	
Lynnfield Centre	257.98	
North Reading	3,214.16	
Wilmington	1,208.37	
		25,524.46

Heating & Cooking:

Reading	5,572.84	
Lynnfield Centre	579.88	
North Reading	909.35	
Wilmington	1,151.36	8,213.43

Public Incand. Lighting:

Reading	15,300.00	
Lynnfield Centre	1,694.94	
North Reading	3,591.60	
Wilmington	7,023.52	
		27,610.06

Power for Other Electric Companies:

Wakefield	62.11	
Lowell	135.71	
		197.82
Municipal Lighting		2,116.63
Municipal Power		1,753.64
		<hr/>
Total Revenue from Sale of Electric Energy		\$155,505.14

SCHEDULE E**TOWN OF READING—MUNICIPAL LIGHT DEPARTMENT****Detail of Operating Expense—Year 1922****PRODUCTION EXPENSES****Steam Power Generation:**

601-605—Labor	\$ 17,294.36
606—Boiler Fuel	34,146.73
607—Water for Steam	80.00
608—Lubricants	140.95
609—Station Supplies and Expenses	1,273.53
611—Maint. of Station Structures	621.81
612—Maint. of Boiler Plant Equip.	1,031.98
613-614—Maint. Steam Eng. & Turbo-Gener- ator	243.42
615—Maint. Electric Generating Equip.	74.87
616—Maint. Accessory Elec. Equipment	229.71

Total Production Expenses	\$ 55,137.36
--	---------------------

TRANSMISSION & DISTRIBUTION EXPENSE

638—Oper. Trans. & Dist. Lines	3,755.50
639—Trans. & Dist. Supplies & Expense ...	507.70
640—Inspecting and Testing Meters	853.71
641—Removing and Resetting Meters	562.92
642—Removing and Resetting Transformers	342.64
647—Maint. of Trans. and Dist. Lines	6,692.17
647—Maint. of Trans. and Dist. Lines (storm)	4,662.73
650—Maint. of Consumers' Meters	145.56
651—Maint. of Transformers	504.39

Total Trans. & Dist. Expenses	18,027.32
--	------------------

UTILIZATION EXPENSE

654—Municipal Street Lamps, labor	743.24
655—Municipal Street Lamps, sup. & expense	2,457.87
657—Maint. Municipal Street Lamps	505.74
658—Maint. Consumers' Installations	738.87

Total Utilization Expenses	4,445.72
---	-----------------

COMMERCIAL EXPENSES

660—Commercial Salaries	4,373.00
661—Commercial Supplies and Expense	2,404.48

Total Commercial Expenses	6,777.48
--	-----------------

NEW BUSINESS EXPENSES

663—New Business Sup. and Expense	76.17
664—Advertising	36.00
665—Wiring & Appliances	21.93

Total New Business Expenses	134.10
--	---------------

GENERAL & MISCELLANEOUS EXPENSES

666—Salaries Mun. Lt. Board & Manager ..	3,026.89
667—Salaries General Office Clerks	2,080.00
668—General Office Supplies & Expense ...	381.26
670—Law Expense—General	27.24
671—Insurance	2,118.83
675—Transportation Expenses	4,623.21
678—Depreciation	17,959.59
679—Miscellaneous General Expenses	105.04
674—Stores Expense	273.24
676—Inventory Adjustment	934.05
673—Accidents & Damages	48.65

Total General & Misc. Expenses	31,578.00
---	------------------

600—Total Electric Oper. Expense	\$116,099.98
---	---------------------

SCHEDULE F

TOWN OF READING—MUNICIPAL LIGHT DEPARTMENT

LIST OF BONDS & NOTES ORIGINAL ISSUE—AMOUNTS OUTSTANDING DEC. 31, 1922

Bonds No. of Issue	Date Issued	Original Amount	Payments on Principal	Rate of Interest	Date of Int. Pay.	Purpose	Amt. outstand- ing 12-31-22
1st	10- 1-94	\$50,000.00	\$1,000 yearly 10 years	4 %	April Oct.	Establishing Plant	\$ 4,000.00
2d	10- 1-07	26,000.00	\$2,000 yearly 20 years	4 %	April Oct.	Establishing Plant	\$ 4,000.00
3d	7- 5-11	20,000.00	\$1,000 yearly 26 years	4½ %	April-Oct.	Additions	11,000.00
4th	10-15-13	23,500.00	\$2,000 yearly 10 years	4 %	Jan.-July	Wilmington Lines	
			\$1,500 yearly 9 years				
5th	9-15-14	8,000.00	\$1,000 yearly 10 yrs, Oct. 15	4¼ %	April-Oct.	Station	10,000.00
6th	5-15-16	10,000.00	\$500 yearly Sept. 15	4½ %	March-Sept.	Reading	4,000.00
7th	10- 1-17	55,000.00	\$500 yearly May 15	4 %	May-Nov.	New Construction	7,000.00
8th	1- 1-19	12,000.00	\$3,000 yearly Oct. 1	4½ %	April-Oct.	Additions	40,000.00
			\$1,000 yearly 4 years	4½ %	Jan.-July		
			\$500 yearly 16 years			Additions	9,000.00
9th	4- 1-19	20,000.00	\$1,000 yearly April 1	4¾ %	April-Oct.	Additions	17,000.00

	5- 1-20	20,000.00	\$1,000 yearly May 1	5 %	May-Nov.	Additions	18,000.00
10th							
11th	7- 1-21	7,000.00	\$1,000 yearly July 1	6 %	Jan.-July	Additions	6,000.00
12th	12-15-22	7,000.00	\$1,000 yearly Dec. 15	4½ %	June-Dec.	Additions	7,000.00
		<hr/>					<hr/>
		\$258,500.00					\$133,000.00
Notes							
1st	5- 1-96	\$ 7,000.00	May 1	4 %	5- 1 & 11- 1	Construction of Plant	\$ 0.00
2nd	5- 1-96	\$ 7,000.00	May 1	4 %	5- 1 & 11- 1	Construction of Plant	0.00
3rd	12- -96	1,500.00	Dec. 9, 1897	4 %		Construction of Plant	0.00
4th	7-15-98	3,000.00	1,000 July 15, 1901	3 %	7-15 & 1-15	New Generator	0.00
5th			2,000 July 15, 1904	3 %	7-15 & 1-15	To take up note due	
6th	12- 7-03	1,400.00	Dec. 7, 1906	4 %	6- 7 & 12- 7	May 1, 1903	0.00
						Lynnfield	
7th	11-15-09	2,500.00	1,000 Nov. 15, 1910			Center Lines	0.00
8th	1-21-10	1,800.00	1,500 Nov. 15, 1911	4 %	5-15 & 11-15	Construction	0.00
9th	7-12-11	2,200.00	1,800 Jan. 21, 1913	4 %	6-21 & 12-21	Construction	0.00
	3-27-10	12,000.00	2,200 July 12, 1912	4 %	1-12 & 7-12	North Reading Lines	3,000.00
			1,000 yearly Mar. 27	4 %	3-27 & 9-27	1st pay't date Mar. 27, '13	
10th	4-16-13	13,500.00	1,500 yearly Apr. 16	4¼ %	4-16—10-16	New Construction	0.00
11th	5-15-15	12,000.00	800 yearly May 15	4 %	5-15 & 11-15	New Construction	6,400.00
12th	7-15-15	4,000.00	500 yearly July 15	4 %	1-15 & 7-15	Reading	500.00
13th	9-22-17	6,500.00	500 yearly Sept. 22	5 %	3-22 & 9-22	New Construction	4,000.00
14th	11-20-19	3,000.00	1,500 yearly Nov. 20	4½ %	5-20 & 11-20	New Construction	0.00
		<hr/>					<hr/>
		\$77,400.00					\$13,900.00

INDEX

	Page
Accountant	115
Board of Assessors	104
Board of Health	114
Board of Public Works	51
Board of Selectmen	99
Chief of Fire Department	218
Chief of Police	101
Collector	198
Custodian of Veterans' Graves	215
Demonstration Work in Agriculture and Home Economics	230
Electric Light Commissioners	291
Forest Warden	225
Inspector of Animals	229
Inspector of Building	112
Inspector of Milk	109
Inspector of Plumbing	228
Inspector of Wires	110
List of Jurors	9
Planning Board	113
Public Library	200
Sealer of Weights and Measures	107
School Committee	233
Superintendent of Fire Alarm	221
Town Clerk, Births Registered	38
Town Clerk, Deaths Registered	48
Town Clerk, Marriages Registered	43
Town Clerk, Dogs Liscensed	37
Town Clerk, Town Meetings	12
Town Counsel	231
Town Forests	226
Town Officers	3
Treasurer	195
Tree Warden	224
Trustees Laurel Hill Cemtery	208
Visitor	111



